Aamand, J., see Brunn, L., (436) (2001) 87

Abbas, M.N., Homoda, A.M. and Mostafa, G.A.E., First derivative spectrophotometric determination of uranium(VI) and vanadium(V) in natural and saline waters and some synthetic matrices using PAR and cetylpyridinum chloride, (436) (2001) 223

Abbas, M.N., Moustafa, G.A. and Gopel, W., Multicomponent analysis of some environmentally important gases using semiconductor tin oxide sensors, (431) (2001) 181

Abbaspour, A. and Baramakeh, L., Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, (436) (2001) 325

Abdollahi, H., Simultaneous spectrophotometric determination of chromium(VI) and iron(III) with chromogenic mixed reagents by H-point standard addition method and partial least squares regression, (442) (2001) 327

Abdolmohammad zadeh, H., see Pournaghi-Azar, M.H., (437) (2001) 217

Abe, K., see Seto, Y., (429) (2001) 19

Abe, M., see Kobayashi, T., (435) (2001) 141

Abe, T., see Kurihara, K., (426) (2001) 11

Abollino, O., see Sarzanini, C., (435) (2001) 343

Abrajano, T., see Diegor, W., (431) (2001) 195

Absalan, G., see Safavi, A., (432) (2001) 229

Abuknesha, R., see Mallat, E., (426) (2001) 209

Abuknesha, R., see Mallat, E., (427) (2001) 165

Acedo Valenzuela, M.I., see Espinosa-Mansilla, A., (427) (2001) 129

Acha, V., Ruysschaert, J.M. and Goormaghtigh, E., Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, (435) (2001) 215

Achterberg, E.P., Braungardt, C.B., Sandford, R.C. and Worsfold, P.J., UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, (440) (2001) 27

Achterberg, E.P., Holland, T.W., Bowie, A.R., Mantoura, R. Fauzi C. and Worsfold, P.J., Determination of iron in seawater, (442) (2001) 1

Adami, G., see Barbieri, P., (440) (2001) 161

Adams, F., see Constantinides, I., (440) (2001) 189

Adams, M.L. and Powell, K.J., Flow injection method for iron fractionation by reaction with oxine-derivatised Fractogel, (433) (2001) 289

Adbo, K. and Nicholls, I.A., Enantioselective solid-phase extraction using Tröger's base molecularly imprinted polymers, (435) (2001) 115

Adbo, K., see Nicholls, I.A., (435) (2001) 9

Adriá, D., see Maurí, A.R., (426) (2001) 135

Adriaens, A., see Constantinides, I., (440) (2001) 189

Adriano, D.C., see Wenzel, W.W., (436) (2001) 309

Afkhami, A., Madrakian, T., Assl, A.A. and Sehhat, A.A., Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium, (437) (2001) 17 Afshari, J.T. and Liu, T.Z., Rapid spectrophotometric method for the quantitation of acetaminophen in serum, (443) (2001) 165

Agatonovic-Kustrin, S. and Alany, R., Application of diffuse reflectance infrared Fourier transform spectroscopy combined with artificial neural networks in analysing enantiomeric purity of terbutaline sulphate bulk drug, (449) (2001) 157

Aghabozorg, H., see Ganjali, M.R., (440) (2001) 81

Agrawal, Y.K., see Jain, V.K., (429) (2001) 237

Aguilar-Caballos, M.P., see Krasnova, A.I., (441) (2001) 249

Aihara, M., see Hirata, S., (438) (2001) 205

Airiau, C.Y., Shen, H. and Brereton, R.G., Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, (447) (2001) 199

Airoldi, C., see Prado, A.G., (432) (2001) 201

Aizawa, H., Kurosawa, S., Tanaka, M., Yoshimoto, M., Miyake, J. and Tanaka, H., Rapid diagnosis of *Treponema pallidum* in serum using latex piezoelectric immunoassay, (437) (2001) 167

Aizawa, M., see Zhang, C., (426) (2001) 33

Aizawa, M., see Zhang, C., (442) (2001) 257

Akhond, M., see Shamsipur, M., (450) (2001) 37

Akiyama, T., see Asanuma, H., (435) (2001) 25

Al Saadi, M.S., see Mahmoud, M.E., (450) (2001) 239

Alany, R., see Agatonovic-Kustrin, S., (449) (2001) 157

Alary, J., see Peyrin, E., (428) (2001) 83

Alavoine, G. and Nicolardot, B., High-temperature catalytic oxidation method for measuring total dissolved nitrogen in K₂SO₄ soil extracts, (445) (2001) 107

Albareda-Sirvent, M., Merkoçi, A. and Alegret, S., Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, (442) (2001) 35

Albrecht-Gary, A.-M., see Kalný, D., (439) (2001) 101

Alciaturi, C.E., Escobar, M.E., de La Cruz, C. and Vallejo, R., Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, (436) (2001) 265

Alder, J.F., see Rezgui, N.D., (433) (2001) 269

Alegret, S., see Albareda-Sirvent, M., (442) (2001) 35

Ali, Z., see Armstrong, S., (444) (2001) 79

Allain, L.R. and Xue, Z., Hysteresis in optical sensing and its impact on the analytical error of a calibration-free acid sensor, (433) (2001) 97

Allen, D.W., see Benomar, S.H., (445) (2001) 255

Allen, M., see Kim, I.S., (450) (2001) 13

Allender, C.J., Andersson, H.S., Brain, K.R. and Ramstrom, O., Preface, (435) (2001) 1

Allender, C.J., Brain, K.R., Ballatore, C., Cahard, D., Siddiqui, A. and McGuigan, C., Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, (435) (2001) 107

Al-Magboul, K.M., see Ibrahim, M.S., (432) (2001) 21

Almeida, C.M., Lapa, R.A. and Lima, J.L., Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, (438) (2001) 291

Almeida, P.J., see Rodrigues, J.A., (449) (2001) 119

Almendral, M.J., see Alonso, A., (447) (2001) 211

Almuaibed, A.M., Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumrase and malate dehydrogenase with chemiluminescence detection, (428) (2001) 1

Alonso Lomillo, M.A., Domínguez Renedo, O. and Arcos Martínez, M.J., Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, (449) (2001) 167

Alonso, A., Almendral, M.J., Porras, M.J., Curto, Y. and García de María, C., Flow-injection solvent extraction with and without phase separation. Fluorimetric determination of aluminium in water, (447) (2001) 211

Alonso, J., see Artigas, J., (426) (2001) 3

Alonso, J., see Kamogawa, M.Y., (438) (2001) 273

Alonso, J., see Martínez-Barrachina, S., (438) (2001) 305

Alonso, J.J.M., see Gomis, D.B., (426) (2001) 111

Alonso, M.C., see Castillo, M., (426) (2001) 265

Alsberg, B.K., Marchand-Geneste, N. and King, R.D., Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, (446) (2001) 3

Alt, F., see Zimmermann, S., (439) (2001) 203

Álvarez-Llamas, G., Fernández de la Campa, M.R. and Sanz-Medel, A., Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupoleinductively coupled plasma mass spectrometric detection, (448) (2001) 105

Amador-Hernández, J., Fernández-Romero, J.M. and Luque de Castro, M.D., Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, (435) (2001) 227

Amador-Hernández, J., Fernández-Romero, J.M. and Luque de Castro, M.D., Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry chemometrics, (448) (2001) 61

Amano, K.i., see Nakamura, M., (428) (2001) 219

Amao, Y., Ishikawa, Y. and Okura, I., Green luminescent iridium(III) complex immobilized in fluoropolymer film as optical oxygen-sensing material, (445) (2001) 177

Amekraz, B., see Moulin, C., (441) (2001) 269

Amendola, L., see Buiarelli, F., (447) (2001) 75

Amin, A.S., Utilization of solid phase spectrophotometry for determination of trace amounts of beryllium in natural water, (437) (2001) 265

Amyot, M., Auclair, J.C. and Poissant, L., In situ high temporal resolution analysis of elemental mercury in natural waters, (447) (2001) 153

Andac, M., Asan, A., Isildak, I. and Cesur, H., Flow-injection spectrophotometric determination of cobalt(II) at low μg l⁻¹ levels with 4-benzylpiperidinedithiocarbamate, (434) (2001) 143

Andalò, C., Bicchieri, M., Bocchini, P., Casu, G., Galletti, G.C., Mandò, P.A., Nardone, M., Sodo, A. and Plossi Zappalà, M., The beautiful "Trionfo d'Amore" attributed to Botticelli: a chemical characterisation by proton-induced X-ray emission and micro-Raman spectroscopy, (429) (2001) 279

Andalò, C., see Bocchini, P., (441) (2001) 37

Andersson, H.S., see Allender, C.J., (435) (2001) 1

Andersson, H.S., see Nicholls, I.A., (435) (2001) 9

Andersson, L.I., see Karlsson, J.G., (435) (2001) 57

Andersson, L.I., see Schweitz, L., (435) (2001) 43

Andersson, P.O., see Nicholls, I.A., (435) (2001) 9

André, P., see Cahours, X., (441) (2001) 15

Andredakis, G.E., Moschou, E.A., Matthaiou, K., Froudakis, G.E. and Chaniotakis, N.A., Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor, (439) (2001) 273

Angel, S. Michael, see Glenn, S.J., (448) (2001) 1

Angnes, L., see Matos, R.C., (441) (2001) 73

Ankarloo, J., see Nicholls, I.A., (435) (2001) 9

Annus, J., see Tkáč, J., (439) (2001) 39

Antelo, J.M., see López, R., (434) (2001) 105

Antolovich, M., see Ryan, D., (445) (2001) 67

Antonelli, A., see Bocchini, P., (441) (2001) 37

Aoki, K., see Cao, Z., (448) (2001) 47

Aoyagi, S., Iwata, T., Miyasaka, T. and Sakai, K., Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, (436) (2001) 103

Aoyama, H., see Calvo-Marzal, P., (441) (2001) 207

Apostol, A., see Rogers, K.R., (444) (2001) 51

Apostoluk, W.a., see Wionczyk, B., (428) (2001) 89

Arakawa, H., Igarashi, H., Kashiwazaki, H., Maeda, M., Tokita, A. and Yamashiro, Y., Single-stranded conformation polymorphism analysis of Vitamin D receptor gene by capillary electrophoresis with laser-induced fluorescence detection, (445) (2001) 197

Araújo, A.N., see Costa, R.C.d.C., (438) (2001) 227

Araújo, A.N., see Oliveira, M.I.P., (448) (2001) 207

Araújo, A.N., see Pimenta, A.M., (438) (2001) 31

Arce, F., see López, R., (434) (2001) 105

Arce, L., see Lista, A.G., (438) (2001) 315

Arcos Martínez, M.J., see Alonso Lomillo, M.A., (449) (2001) 167

Arcos, R., see Lacour, S., (428) (2001) 121

Arend, K., see de Souza Sierra, M.M., (445) (2001) 89

Arida, H.A., see Hassan, S.S., (427) (2001) 21

Arkhypova, V.N., see Dzyadevych, S.V., (445) (2001) 47

Armenta Estrela, O., see Catalá Icardo, M., (438) (2001) 281

Armstrong, S., Miao, Z.-F., Rowell, F.J. and Ali, Z., Simple dip strip ELISA for airborne estrogenic steroids, (444) (2001) 79

Arnaud, N. and Georges, J., On the analytical use of the Soretenhanced thermal lens signal in aqueous solutions, (445) (2001)

Arruda, M.A.Z., see Pereira-Filho, E.R., (433) (2001) 111

Artigas, J., Beltran, A., Jiménez, C., Bartrolí, J. and Alonso, J., Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, (426) (2001) 3

Artigas, J., see Kamogawa, M.Y., (438) (2001) 273

Arunachalam, J., see Karunasagar, D., (441) (2001) 291

Arya, S.P., Mahajan, M. and Jain, P., Spectrophotometric determination of vitamin C with iron(II)-4-(2-pyridylazo)resorcinol complex, (427) (2001) 245

Asan, A., see Andac, M., (434) (2001) 143

Asanuma, H., Akiyama, T., Kajiya, K., Hishiya, T. and Komiyama, M., Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, (435) (2001) 25 Assl, A.A., see Afkhami, A., (437) (2001) 17

Astruc, A., see Gallardo, M. Vergara, (441) (2001) 257

Astruc, M., see Gallardo, M. Vergara, (441) (2001) 257

Atmaca, S., see Saglik, S., (427) (2001) 253

Auclair, J.C., see Amyot, M., (447) (2001) 153

Austin, E., see Bi, M., (435) (2001) 309

Autrey, T., Foster, N., Hopkins, D. and Price, J., Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, (434) (2001) 217

Avidad, R., see Capitán-Vallvey, L.F., (440) (2001) 131

Avila, A.K., see Monteiro, M.I.C., (428) (2001) 265

Avoscan, W., see Barbieri, P., (440) (2001) 161

Avramescu, A., Noguer, T., Magearu, V. and Marty, J.L., Chronoamperometric determination of p-lactate using screen-printed enzyme electrodes, (433) (2001) 81

Avramescu, A., Noguer, T., Magearu, V. and Marty, J.L., Erratum to "Chronoamperometric determination of p-lactate using screenprinted enzyme electrodes" [Anal. Chim. Acta 433 (2001) 81– 88], (443) (2001) 283

B

Babaei, L.H.a., see Ganjali, M.R., (440) (2001) 81

Baca, A., see Briseno, A.L., (441) (2001) 123

Bacci, M., Fabbri, M., Picollo, M. and Porcinai, S., Non-invasive fibre optic Fourier transform-infrared reflectance spectroscopy on painted layers. Identification of materials by means of principal component analysis and Mahalanobis distance, (446) (2001) 15

Bächmann, K., see Tam, W.F.C., (427) (2001) 259

Badr, I.H., see Hassan, S.S., (427) (2001) 21

Baeyens, W.R., see Wang, J., (428) (2001) 173

Bai, C.L., see Ling, L.S., (436) (2001) 207

Bai, X., see Sun, X., (442) (2001) 121

Baker, J.G., see Rezgui, N.D., (433) (2001) 269

Bakker, E., see Ion, A.C., (440) (2001) 71

Bakker, E., see Peper, S., (442) (2001) 25

Baldo, M. Antonietta, see Daniele, S., (432) (2001) 27

Ballatore, C., see Allender, C.J., (435) (2001) 107

Ballesteros, O., see Vîlchez, J.L., (444) (2001) 279

Bandel, K., see Rettberg, P., (426) (2001) 167

Barakat, S.A., Erratum to "Determination of manganese in steel after extraction of dimethyldistearylammonium permanganate" [Anal. Chim. Acta 393 (1999) 223], (444) (2001) 317

Barałkiewicz, D. and Siepak, J., Slurry sampling for electrothermal atomic absorption spectrometric determination of chromium, nickel, lead and cadmium in sewage sludge, (437) (2001) 11

Baramakeh, L., see Abbaspour, A., (436) (2001) 325

Barbante, C., see Planchon, F.A., (450) (2001) 193

Barbas, C., see García-Moreno, E., (448) (2001) 9

Barbas, C., see Marin, A., (442) (2001) 305

Barbieri, P., Adami, G., Favretto, A., Lutman, A., Avoscan, W. and Reisenhofer, E., Robust cluster analysis for detecting physicochemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), (440) (2001) 161 Barbosa, J., Barrón, D., Jiménez-Lozano, E. and Sanz-Nebot, V., Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrilewater mixtures, (437) (2001) 309

Barceló, D., see Castillo, M., (426) (2001) 253

Barceló, D., see Castillo, M., (426) (2001) 265

Barceló, D., see Farré, M., (426) (2001) 155

Barceló, D., see Farré, M., (427) (2001) 181

Barceló, D., see Mallat, E., (426) (2001) 209

Barceló, D., see Mallat, E., (427) (2001) 165

Barceló, D., see Nistor, C., (426) (2001) 185

Barnes, D.E., see Pillay, P., (440) (2001) 45

Barnett, N.W., see Hindson, B.J., (445) (2001) 1

Barré, N., see Mercier, F., (427) (2001) 101

Barrero, F. Alés, see García-Campaña, A.M., (447) (2001) 219 Barrero-Moreno, J.M., see Pulido-Tofiño, P., (429) (2001) 337

Barrio, R.J., see Unceta, N., (444) (2001) 211

Barrón, D., see Barbosa, J., (437) (2001) 309

Barrondo, S., see Unceta, N., (444) (2001) 211

Barros, A., see Rutledge, D.N., (446) (2001) 281

Barros, A.A., see Rodrigues, J.A., (449) (2001) 119

Bartrolí, J., see Artigas, J., (426) (2001) 3

Bárzana, E., see Castro, B., (435) (2001) 83

Barzen, C., see Mallat, E., (426) (2001) 209

Barzen, C., see Mallat, E., (427) (2001) 165

Baterowicz, A., see Michałowski, T., (442) (2001) 287

Bates, K.R., see Jano, I., (428) (2001) 309

Batonneau, Y., Laureyns, J., Merlin, J.C. and Brémard, C., Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, (446) (2001) 23

Battaglini, F., see Lapierre, A.V., (443) (2001) 17

Bauer, C., see Popp, P., (436) (2001) 1

Baumbach, J.I., see Sielemann, S., (431) (2001) 293

Baumstark-Khan, C., Rode, A., Rettberg, P. and Horneck, G., Application of the Lux-Fluoro test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant Salmonella typhimurium TA1535 cells, (437) (2001) 23

Baumstark-Khan, C., see Hellweg, C.E., (426) (2001) 175

Baumstark-Khan, C., see Hellweg, C.E., (427) (2001) 191

Baumstark-Khan, C., see Rettberg, P., (426) (2001) 167

Bauza, R., Ríos, A. and Valcárcel, M., Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, (450) (2001) 1

Baxter, S.C., see Umpleby II, R.J., (435) (2001) 35

Bayoudh, S., see Lanza, F., (435) (2001) 91

Becerra, E., see de Armas, G., (427) (2001) 83

Becker, A., see Vassileva, E., (441) (2001) 135

Beier, R.C. and Stanker, L.H., An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, (444) (2001) 61

Belostotsky, I., Gridin, V.V., Schechter, I. and Yarnitzky, C.N., Venturi-scrubber pre-concentration technique for electrochemical detection of airborne lead traces, (429) (2001) 215

Beltran, A., see Artigas, J., (426) (2001) 3

Beltran, J., see López, F.J., (433) (2001) 217

Belzile, N., see Deng, T.L., (432) (2001) 293

Bennani, N. and Fabre, H., Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, (434) (2001) 67

Benomar, S.H., Clench, M.R. and Allen, D.W., The analysis of alkylphenol ethoxysulphonate surfactants by high-performance liquid chromatography, liquid chromatography-electrospray ionisation-mass spectrometry and matrix-assisted laser desorption ionisation-mass spectrometry, (445) (2001) 255

Benrebouh, A., see Idziak, I., (435) (2001) 137

Benzi, M., see González-Toledo, E., (443) (2001) 183

Berch Jr., J.K., see Umpleby II, R.J., (435) (2001) 35

Bereczki, A., see Lanza, F., (435) (2001) 91

Berg, J.F. and Fonnesbeck, J.E., Determination of ¹⁴C in activated metal waste, (447) (2001) 191

Bermejo-Barrera, A., see Bermejo-Barrera, P., (439) (2001) 211

Bermejo-Barrera, P., Muñiz-Naveiro, O., Moreda-Piñeiro, A. and Bermejo-Barrera, A., The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, (439) (2001) 211

Bermond, A., Limits of sequential extraction procedures re-examined with emphasis on the role of H* ion reactivity, (445) (2001) 79

Bernardo, F.J. Guzmán, see Nevado, J.J. Berzas, (442) (2001) 241 Berner, Z., see Zimmermann, S., (439) (2001) 203

Berntsson, O., Danielsson, L.-G. and Folestad, S., Characterization of diffuse reflectance fiber probe sampling on moving solids using a Fourier transform near-infrared spectrometer, (431) (2001) 125

Berrettoni, M., see Morigi, M., (439) (2001) 265

Bershevits, O.A., see Markelov, M., (432) (2001) 213

Bertho, J.N., see Gorius, O., (440) (2001) 231

Bertran, E., Iturriaga, H., Maspoch, S. and Montoliu, I., Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, (431) (2001) 303

Bhalerao, U., see Fadnavis, N., (441) (2001) 297

Bhaskar, V., see Fadnavis, N., (441) (2001) 297

Bi, M., Austin, E., Smith, B.W. and Winefordner, J.D., Elemental analysis of Spanish moss using laser ablation inductively coupled plasma mass spectrometry, (435) (2001) 309

Bi, S., see Wang, X., (449) (2001) 35

Bialkowski, S.E., see Sousa, S.R., (433) (2001) 181

Bianchini, J.-P., see Bombarda, I., (447) (2001) 113

Bicchieri, M., see Andalò, C., (429) (2001) 279

Bickel, M., see Toribio, M., (447) (2001) 179

Biernath, H., see Mansfeldt, T., (435) (2001) 377

Biesuz, R., see Pesavento, M., (449) (2001) 23

Billon, M., see Dupont-Filliard, A., (449) (2001) 45

Bin, C., Xiaoru, W. and Lee, F.S., Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, (447) (2001) 161

Bin, H., see Tianyou, P., (433) (2001) 255

Birkett, J., see Bryan, N.D., (437) (2001) 281

Birkett, J., see Bryan, N.D., (437) (2001) 291

Bishop, K.D., see Ngowe, C.O., (427) (2001) 137

Bitter, I., see Kunsági-Máté, S., (443) (2001) 227

Bjarnason, B., Chimuka, L., Önnerfjord, P., Eremin, S., Jönsson, J.A., Johansson, G. and Emnéus, J., Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, (426) (2001) 197

Blackledge, R., see Thomas, J.J., (442) (2001) 183

Blake, D.A., Pavlov, A.R., Yu, H., Kohsraviani, M., Ensley, H.E. and Blake II, R.C., Antibodies and antibody-based assays for hexavalent uranium, (444) (2001) 3

Blake II, R.C., see Blake, D.A., (444) (2001) 3

Blanco Gomis, D., Muro Tamayo, D. and Mangas Alonso, J., Determination of monosaccharides in cider by reversed-phase liquid chromatography, (436) (2001) 173

Blanco López, M.C., see Marina, M.A., (432) (2001) 157

Blanco, M., Coello, J., Iturriaga, H., Maspoch, S. and Porcel, M., Use of circular dichroism and artificial neural networks for the kineticspectrophotometric resolution of enantiomers, (431) (2001) 115

Blanco, M., Coello, J., Montoliu, I. and Romero, M.A., Orthogonal signal correction in near infrared calibration. (434) (2001) 125

Blanco, M., Maspoch, S., Villarroya, I., Peralta, X., González, J.M. and Torres, J., Determination of physico-chemical parameters for bitumens using near infrared spectroscopy, (434) (2001) 133

Blankwater, Y.J., see Van Es, R.M, (429) (2001) 37

Blázquez, S., see García, L., (434) (2001) 193

Bloomfield, M.S., see Vannecke, C., (446) (2001) 413

Blum, P., Mohr, G.J., Matern, K., Reichert, J. and Spichiger-Keller, U.E., Optical alcohol sensor using lipophilic Reichardt's dyes in polymer membranes, (432) (2001) 269

Boadu, K.O., see Borsdorf, H., (440) (2001) 63

Bobbitt, D.R., see Waguespack, B.L., (441) (2001) 231

Bocchi, N., see Teixeira, M.F., (443) (2001) 249

Bocchini, P., Andalò, C., Pozzi, R., Galletti, G.C. and Antonelli, A., Determination of diallyl thiosulfinate (allicin) in garlic (Allium sativum L.) by high-performance liquid chromatography with a post-column photochemical reactor, (441) (2001) 37

Bocchini, P., see Andalò, C., (429) (2001) 279

Bode, M., see Umpleby II, R.J., (435) (2001) 35

Bohari, Y., see Gallardo, M. Vergara, (441) (2001) 257

Bollinger, J.C., see Lacour, S., (428) (2001) 121

Boman, L.E., see Chuang, J.C., (444) (2001) 87

Bombarda, I., Raharivelomanana, P., Ramanoelina, P.A., Faure, R. and Gaydou, J.P., Spectrometric identifications of sesquiterpene alcohols from niaouli (*Melaleuca quinquenervia*) essential oil, (447) (2001) 113

Bontempelli, G., see Di Narda, F., (436) (2001) 245

Boqué, R., see Maroto, A., (440) (2001) 171

Boqué, R., see Maroto, A., (446) (2001) 133

Borchardt, M., see Eikermann, D., (436) (2001) 139

Bordel-García, N., see Díaz-García, J., (429) (2001) 55

Bordin, G., see Dabrio, M., (435) (2001) 319

Borges, E.P., see Tumang, C.A., (438) (2001) 59

Borges, E.P., see Vicente, S., (438) (2001) 3

Borges, F., see Garrido, E.M., (434) (2001) 35

Borisov, I.A., see Kurganov, B.I., (427) (2001) 11 Borsdorf, H., Rämmler, A., Schulze, D., Boadu, K.O., Feist, B. and

Borsdorf, H., Rämmler, A., Schulze, D., Boadu, K.O., Feist, B. and Weiß, H., Rapid on-site determination of chlorobenzene in water samples using ion mobility spectrometry, (440) (2001) 63 Bosch, E., see Rived, F., (439) (2001) 315

Bosch-Reig, F., see Tortajada-Genaro, L.A., (446) (2001) 385

Bosch-Reig, F., see Tortajada-Genaro, L.A., (450) (2001) 155

Bosworth, T., Setford, S., Heywood, R. and Saini, S., Pulsed amperometric detection of furan compounds in transformer oil, (450) (2001) 253

Botrè, F., see Buiarelli, F., (447) (2001) 75

Boucon, C., see Guo, Q., (446) (2001) 85

Bouř, P., see Záruba, K., (437) (2001) 39

Boutron, C.F., see Planchon, F.A., (450) (2001) 193

Bowie, A.R., see Achterberg, E.P., (442) (2001) 1

Bragato, C., see Daniele, S., (432) (2001) 27

Brahim, S., Narinesingh, D. and Guiseppi-Elie, A., Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrole-hydrogel membrane, (448) (2001) 27

Brain, K.R., see Allender, C.J., (435) (2001) 1

Brain, K.R., see Allender, C.J., (435) (2001) 107

Brainina, K., Ivanova, A.V. and Khanina, R.M., Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, (436) (2001) 129

Brajter-Toth, A., see Zhang, T., (442) (2001) 97

Brant, A.J., see Ferreira, M.J., (429) (2001) 151

Braungardt, C.B., see Achterberg, E.P., (440) (2001) 27

Brémard, C., see Batonneau, Y., (446) (2001) 23

Brereton, R.G., see Airiau, C.Y., (447) (2001) 199

Brett, A.M. Oliveira, see Garrido, E.M., (434) (2001) 35

Brinkman, U.A.Th., see Luthe, G., (429) (2001) 49

Briseno, A.L., Baca, A., Zhou, Q., Lai, R. and Zhou, F., Quantification of dopant ions in polypyrrole films with electrochemical ICP-atomic emission spectrometry and comparison to electrochemical quartz crystal microbalance studies, (441) (2001) 123

Bro, R., see Munck, L., (446) (2001) 171

Brodbelt, J.S., see Reyzer, M.L., (436) (2001) 11

Brody, R.H., Edwards, H.G.M. and Pollard, A. Mark, Chemometric methods applied to the differentiation of Fourier-transform Raman spectra of ivories, (427) (2001) 223

Broekaert, J.A.C., see Vassileva, E., (441) (2001) 135

Broitman, S.A., see Panda, S.K., (432) (2001) 317

Bruce, D., see High, B., (449) (2001) 17

Bruggemann, O., Chemical reaction engineering using molecularly imprinted polymeric catalysts, (435) (2001) 197

Brunn, L., Koch, C., Jakobsen, M.H., Pedersen, B., Christiansen, M. and Aamand, J., Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, (436) (2001) 87

Bruzzoniti, M.C., see Conca, R., (439) (2001) 107

Bryan, N.D., Jones, M.N., Birkett, J. and Livens, F.R., Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, (437) (2001) 281

Bryan, N.D., Jones, M.N., Birkett, J. and Livens, F.R., Aggregation of humic substances by metal ions measured by ultracentrifugation, (437) (2001) 291

Brzózka, Z., see Chudy, M., (429) (2001) 347

Brzózka, Z., see Wróblewski, W., (432) (2001) 79

Brzozowski, D., see Lavine, B.K., (437) (2001) 233

Bugelski, P.J., see Wu, W., (446) (2001) 451

Buiarelli, F., Cartoni, G.P., Amendola, L. and Botrè, F., Screening and confirmation analysis of anabolic agents in human urine by gas chromatography hybrid mass spectrometry (high resolution time of flight), (447) (2001) 75

Bulhões, L.O., see Tomita, I.N., (442) (2001) 201

Bult, A., see Stroink, T., (444) (2001) 193

Burgio, L., see Smith, G.D., (440) (2001) 185

Burguera, J.L., see Carrero, P., (438) (2001) 195

Burguera, J.L., see Petit De Peña, Y., (438) (2001) 259

Burguera, M., see Carrero, P., (438) (2001) 195

Burguera, M., see Petit De Peña, Y., (438) (2001) 259

Burns, D.H., see Long, W.F., (434) (2001) 113

Buschmann, H.-J., Cleve, E., Jansen, K. and Schollmeyer, E., Determination of complex stabilities with nearly insoluble host molecules: cucurbit[5]uril, decamethylcucurbit[5]uril and cucurbit[6]uril as ligands for the complexation of some multicharged cations in aqueous solution, (437) (2001) 157

Bushway, R.J., see Prince, A.E., (444) (2001) 37

Buxton, T.L. and Harrington, P.d.B., Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, (434) (2001) 269

Buydens, L.M., see Thissen, U., (446) (2001) 371

Buydens, L.M.C., see de Groot, P.J., (446) (2001) 71

Buydens, L.M.C., see Kooistra, L., (446) (2001) 97

Buydens, L.M.C., see Witjes, H., (432) (2001) 113

Buzinkaiová, T., see Ferancová, A., (447) (2001) 47

C

Cahard, D., see Allender, C.J., (435) (2001) 107

Cahours, X., Viron, C., Morin, P., Renimel, I., André, P. and Lafosse, M., Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, (441) (2001) 15

Cai, P., see Zhang, Y., (437) (2001) 151

Cai, R., see Wu, X., (448) (2001) 257

Cai, Y., see Yin, F., (444) (2001) 271

Calatayud, J. Martínez, see Pons, O. Rubio, (438) (2001) 149

Callao, M.P., see Macho, S., (445) (2001) 213

Calvo-Marzal, P., Rosatto, S.S., Granjeiro, P.A., Aoyama, H. and Kubota, L.T., Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol, (441) (2001) 207

Calzado, J.A., Palet, C. and Valiente, M., Facilitated transport and separation of aromatic amino acids through activated composite membranes, (431) (2001) 59

Cammann, K., see Eikermann, D., (436) (2001) 139

Campanella, L., Favero, G., Persi, L., Sammartino, M.P., Tomassetti, M. and Visco, G., Organic phase enzyme electrodes: applications and theoretical studies, (426) (2001) 235

Campbell, S. and Li, Q.X., Na₄EDTA-assisted in situ derivatization pressurized fluid extraction of polar herbicides in soil, (434) (2001) 283

Campins-Falcó, P., see Herráez-Hernández, R., (434) (2001) 315

Campíns-Falcó, P., see Tortajada-Genaro, L.A., (446) (2001) 385

Campíns-Falcó, P., see Tortajada-Genaro, L.A., (450) (2001) 155

Cañada, F. Cañada, see Espinosa-Mansilla, A., (427) (2001) 129

Canals, I., see Rived, F., (439) (2001) 315

Canters, G.W., see Streffer, K., (427) (2001) 201

Cao, W., see Sun, X., (442) (2001) 121

Cao, Y.Z., see Chen, Z.P., (444) (2001) 295

Cao, Z., Murayama, K. and Aoki, K., Thickness-shear-mode acoustic wave sensor for acetone vapour coated with C-ethylcalix[4]-resorcinarene and C-H···π interactions as a molecular recognition mechanism, (448) (2001) 47

Capella-Peiró, E., Monferrer-Pons, L.V., García-Alvarez-Coque, C. and Esteve-Romero, J., Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride, (427) (2001) 93

Capitán-Vallvey, L.F., Duque, O., Mirón-García, G. and Checa-Moreno, R., Determination of protein content using a solid phase spectrophotometric procedure, (433) (2001) 155

Capitán-Vallvey, L.F., Fernández Ramos, M.D., Avidad, R. and Deheidel, M.K., Determination of the pesticide morestan by means of a single-use phosphorimetric sensor, (440) (2001) 131

Capitán-Vallvey, L.F., see Vílchez, J.L., (439) (2001) 299

Cárdenas, S., see Columé, A., (436) (2001) 153

Cárdenas, S., see Criado, A., (435) (2001) 281

Cardwell, T.J., see Rupasinghe, T., (445) (2001) 229

Carlsson, K. and Karlberg, B., Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, (434) (2001) 149

Carmen Alonso, M., see Farré, M., (426) (2001) 155

Carnahan, J.W., see Das, D., (444) (2001) 229

Carneiro, J.M., see Honorato, R.S., (441) (2001) 309

Carrero, P., Malavé, A., Burguera, J.L., Burguera, M. and Rondón, C., Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, (438) (2001) 195

Carrillo, M., see Petit De Peña, Y., (438) (2001) 259

Cartoni, G.P., see Buiarelli, F., (447) (2001) 75

Casanova, F., see Mercier, F., (427) (2001) 101

Cass, G.R., see Song, X.H., (446) (2001) 329

Castillo, J.R., see Galbán, J., (434) (2001) 81

Castillo, M. and Barceló, D., Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicitybased fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, (426) (2001) 253

Castillo, M., Alonso, M.C., Riu, J., Reinke, M., Klöter, G., Dizer, H., Fischer, B., Hansen, P.D. and Barceló, D., Identification of cytotoxic compounds in European wastewaters during a field experiment, (426) (2001) 265

Castillo, M., see Farré, M., (426) (2001) 155

Castro, B., Whitcombe, M.J., Vulfson, E.N., Vazquez-Duhalt, R. and Bárzana, E., Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, (435) (2001) 83

Casu, G., see Andalò, C., (429) (2001) 279

Catalá Icardo, M., Armenta Estrela, O., Sajewicz, M., García Mateo, J.V. and Martínez Calatayud, J., Selective flow-injection biamperometric determination of sulfur-containing amino acids and structurally related compounds, (438) (2001) 281 Catalá Icardo, M., García Mateo, J.V. and Martínez Calatayud, J., Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine, (443) (2001) 153

Catterall, K., see Morris, K., (442) (2001) 129

Catterick, T., see Wolff Briche, C.S., (437) (2001) 1

Cattrall, R.W., see Rupasinghe, T., (445) (2001) 229

Cavicchioli, A. and Gutz, I.G., In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, (445) (2001) 127

Cavrini, V., see Gatti, R., (447) (2001) 89

Ceba, M. Román, see García-Campaña, A.M., (447) (2001) 219

Cedillo, B.M., see Waiz, S., (428) (2001) 163

Cerdà, V., see de Armas, G., (427) (2001) 83

Cerdà, V., see Miró, M., (437) (2001) 55

Cerdà, V., see Miró, M., (438) (2001) 103

Cerrato Oliveros, M. Concepción, see González Martín, Y., (449) (2001) 69

Cervera, M. Luisa, see He, Y., (447) (2001) 135

Cesar Ugulino Araujo, M., see Kawakami Harrop Galvão, R., (443) (2001) 107

Cescon, P., see Planchon, F.A., (450) (2001) 193

Cespón, R.M., see Yebra, M.C., (448) (2001) 157

Cesur, H., see Andac, M., (434) (2001) 143

Cha, G.S., see Choi, S.H., (431) (2001) 261

Cha, G.S., see Kim, S.B., (439) (2001) 47

Chai, Z., see Chen, C., (439) (2001) 19

Chan, W.F., see Gong, Z., (450) (2001) 207

Chan, W.H., Yang, R.H. and Wang, K.M., Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, (444) (2001) 261

Chang, D.P., see Shan, G., (444) (2001) 169

Chang, H.C., see Cheng, T.J., (432) (2001) 101

Chang, J.S., see Chuang, J.C., (444) (2001) 87

Chang, M.C., see Su, C.C., (432) (2001) 261 Chang, X., see Gong, B., (427) (2001) 287

Chang, X., Yang, X., Wei, X. and Wu, K., Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, (450) (2001) 231

Chaniotakis, N.A., see Andredakis, G.E., (439) (2001) 273

Chaniotakis, N.A., see Gavalas, V.G., (427) (2001) 271

Chaniotakis, N.A., see Moschou, E.A., (445) (2001) 183

Chantron, P., see Lacour, S., (428) (2001) 121

Charles, S., Yunus, S., Dubois, F. and Vander Donckt, E., Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, (440) (2001) 37

Charvátová, J., see Záruba, K., (437) (2001) 39

Chatterjee, A., Shibata, Y., Tanaka, A. and Morita, M., Determination of selenoethionine by flow injection-hydride generationatomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, (436) (2001) 253

Chau, F.T., see Gong, F., (450) (2001) 99

Checa-Moreno, R., see Capitán-Vallvey, L.F., (433) (2001) 155

Chen, B.M., Xia, L.W., Liang, S.X., Chen, G.H., Deng, F.L., Zhang, W.R. and Tao, L.j., Simultaneous determination of L-arginine and

dimethylarginines in human urine by high-performance liquid chromatography, (444) (2001) 223

Chen, C., Zhang, P. and Chai, Z., Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, (439) (2001) 19

Chen, G., see Zhang, L., (431) (2001) 287

Chen, G.H., see Chen, B.M., (444) (2001) 223

Chen, G.R., see Shi, X.Y., (445) (2001) 221

Chen, H., see Liu, B.F., (434) (2001) 309

Chen, H.P., see Zen, J.M., (449) (2001) 95

Chen, I. Cherng, see Su, P.G., (449) (2001) 103

Chen, J. and Teo, K.C., Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction, (434) (2001) 325

Chen, J. and Teo, K.C., Determination of cadmium, copper, lead and zinc in water samples by flame atomic absorption spectrometry after cloud point extraction, (450) (2001) 215

Chen, L., Ju, H., Zeng, X., He, X. and Zhang, Z., Silver ion-selective electrodes based on novel containing benzothiazolyl calix[4]arene, (437) (2001) 191

Chen, L., Ju, H., Zeng, X., He, X. and Zhang, Z., Cesium selective electrodes based on novel double flexible spacers bridged biscalix[4]arenes, (447) (2001) 41

Chen, L.X., see Yang, H.H., (435) (2001) 265

Chen, R., see Stenken, J.A., (436) (2001) 21

Chen, S.H., see Zhang, X.B., (439) (2001) 65

Chen, S.Y., Wu, M.S. and Tsai, S.J.J., Determination of silicon in nickel-based alloys using electrothermal atomic absorption spectrometry with longitudinal Zeeman-effect background correction and zinc oxide pretreatment, (435) (2001) 357

Chen, T.Y., see Wang, J.L., (448) (2001) 187

Chen, W., Liu, F., Xu, Y., Li, K.A. and Tong, S., Molecular recognition of procainamide-imprinted polymer, (432) (2001) 277

Chen, W., see Zhang, T., (450) (2001) 53

Chen, X., see Jia, R., (442) (2001) 249

Chen, X., see Wang, H., (429) (2001) 207

Chen, X., Zhang, J., Wang, B., Cheng, G. and Dong, S., Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, (434) (2001) 255

Chen, X.D., see Ling, L.S., (436) (2001) 207

Chen, X.L., Li, D.H., Yang, H.H., Zhu, Q.Z., Zheng, H. and Xu, J.G., Study of tetra-substituted amino aluminum phthalocyanine as a new red-region substrate for the fluorometric determination of peroxidase and hydrogen peroxide, (434) (2001) 51

Chen, Y.W., see Deng, T.L., (432) (2001) 293

Chen, Z., see Yu, J.C., (436) (2001) 59

Chen, Z.P., Liu, Z., Cao, Y.Z. and Yu, R.Q., Efficient way to estimate the optimum number of factors for trilinear decomposition, (444) (2001) 295

Cheng, G., see Chen, X., (434) (2001) 255

Cheng, I. Francis, see Kariuki, S., (442) (2001) 277

Cheng, J.K., see Liu, B.F., (434) (2001) 309

Cheng, J.K., see Liu, E.B., (443) (2001) 101

Cheng, R., see Ong, K.K., (444) (2001) 143

Cheng, T.C., see Simonian, A.L., (442) (2001) 15

Cheng, T.J., Lin, T.M., Wu, T.H. and Chang, H.C., Determination of heparin levels in blood with activated partial thromboplastin time by a piezoelectric quartz crystal sensor, (432) (2001) 101

Chiavari, G., see Fabbri, D., (449) (2001) 271

Chimuka, L., see Bjarnason, B., (426) (2001) 197

Chisti, Y., see Fernández-Alba, A.R., (426) (2001) 289

Chisvert, A., Salvador, A. and Pascual-Martí, M.C., Simultaneous determination of oxybenzone and 2-ethylhexyl 4-methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, (428) (2001) 183

Chiti, G., Marrazza, G. and Mascini, M., Electrochemical DNA biosensor for environmental monitoring, (427) (2001) 155

Cho, H.C., see Kim, S.B., (439) (2001) 47

Cho, S.R., see Choi, J.Y., (443) (2001) 241

Choi, J.Y., Seo, K., Cho, S.R., Oh, J.R., Kahng, S.H. and Park, J., Screen-printed anodic stripping voltammetric sensor containing HgO for heavy metal analysis, (443) (2001) 241

Choi, K.S., see Lee, C.H., (428) (2001) 133

Choi, M.H., see Kim, S.B., (439) (2001) 47

Choi, S.H., Ha, J., Shin, J.H., Choi, Y.S., Han, S.H., Nam, H. and Cha, G.S., Planar amperometric oxygen sensor with improved preconditioning property, (431) (2001) 261

Choi, Y.S., see Choi, S.H., (431) (2001) 261

Choppin, G.R., see Hasegawa, Y., (428) (2001) 149

Chou, S.T., Ko, L.E. and Yang, C.S., High performance liquid chromatography with fluorimetric detection for the determination of total homocysteine in human plasma: method and clinical applications, (429) (2001) 331

Chowdhry, B.Z., see Shadi, I.T., (450) (2001) 115

Christiansen, M., see Brunn, L., (436) (2001) 87

Chu, Y., see Lin, X., (431) (2001) 41

Chuang, J.C., Hart, K., Chang, J.S., Boman, L.E., Van Emon, J.M. and Reed, A.W., Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, (444) (2001) 87

Chudy, M., Dybko, A., Wróblewski, W. and Brzózka, Z., Novel head for testing and measurement of chemical microsensors, (429) (2001) 347

Chvojka, T., Jelínek, I., Opekar, F. and Štulík, K., Dual photometriccontactless conductometric detector for capillary electrophoresis, (433) (2001) 13

Cigarro, J.F., see Paseková, H., (438) (2001) 165

Ciglenečki, I., see Krznarić, D., (431) (2001) 269

Čižmáriková, R.e., see Proksa, B., (434) (2001) 75

Cladera, A., see de Armas, G., (427) (2001) 83

Cladera, A., see Miró, M., (438) (2001) 103

Clark, C.D., see Zanardi-Lamardo, E., (443) (2001) 171

Clark, R.J.H., see Smith, G.D., (440) (2001) 185

Clarke, A.N., see Johnson, J.C., (428) (2001) 191

Clench, M.R., see Benomar, S.H., (445) (2001) 255

Cléroux, C., see Rajeb, S.B., (432) (2001) 193

Cleve, E., see Buschmann, H.-J., (437) (2001) 157

Coello, J., see Blanco, M., (431) (2001) 115

Coello, J., see Blanco, M., (434) (2001) 125

Collins, G.E. and Lu, Q., Microfabricated capillary electrophoresis sensor for uranium (VI), (436) (2001) 181

Columé, A., Cárdenas, S., Gallego, M. and Valcárcel, M., Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides, (436) (2001) 153

Comba, M., see Zaruk, D., (444) (2001) 163

Compañó, R., see González-Toledo, E., (443) (2001) 183

Compañó, R., see Saurina, J., (432) (2001) 241

Compton, R.G., see White, P.C., (447) (2001) 1

Conca, R., Bruzzoniti, M.C., Mentasti, E., Sarzanini, C. and Hajos, P., Ion chromatographic separation of polyamines: putrescine, spermidine and spermine, (439) (2001) 107

Cong, X., Guo, Z.X., Wang, X.X. and Shen, H.X., Resonance lightscattering spectroscopic determination of protein with pyrocatechol violet, (444) (2001) 205

Connolly, D. and Paull, B., Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography, (441) (2001) 53

Constantinides, I., Gritsch, M., Adriaens, A., Hutter, H. and Adams, F., Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry. (440) (2001) 189

Cook, C., see Petcu, M., (435) (2001) 49

Cook, J.M., see Unsworth, E.R., (442) (2001) 141

Coomans, D., see Kuttatharmmakul, S., (441) (2001) 215

Coomber, T., see Vannecke, C., (446) (2001) 413

Cooney, J., see Petcu, M., (435) (2001) 49

Cordero, B.M., see Martín, Y.G., (449) (2001) 69

Cormack, P.A., see Ye, L., (435) (2001) 187

Cormack, P.A.G., see Lanza, F., (435) (2001) 91

Correia dos Santos, M.M., Vilhena, M.F. and Simões Gonçalves, M.L., Interaction of lead(II) with sediment particles: a mercury microelectrode study, (441) (2001) 191

Cosnier, S., see Mousty, C., (443) (2001) 1

Ćosović, B., see Krznarić, D., (431) (2001) 269

Costa Filho, P.A., see Pereira-Filho, E.R., (433) (2001) 111

Costa, L.M., see Gouveia, S.T., (445) (2001) 269

Costa, R.C.d.C. and Araújo, A.N., Determination of Fe(III) and total Fe in wines by sequential injection analysis and flame atomic absorption spectrometry, (438) (2001) 227

Costa-Fernández, J.M., see Díaz-García, J., (429) (2001) 55

Costa-Fernández, J.M., see Jin, W.J., (431) (2001) 1

Costa-García, A., see José Bengoechea Álvarez, M., (442) (2001) 55

Costantin, M.B., see Ferreira, M.J., (447) (2001) 125

Cowell, D.C., see Honeychurch, K.C., (431) (2001) 89

Cozzi, G., see Planchon, F.A., (450) (2001) 193

Crea, F., De Robertis, A. and De Stefano, C., Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines NH₂(CH₂)_nNH₂ (n = 2-10), (436) (2001) 333

Creager, S.E., see Radford, P.T., (449) (2001) 199

Creaser, C.S. and Griffiths, J.R., Atmospheric pressure ion mobility spectrometry studies of cyclic and acyclic polyethers, (436) (2001) 273

Criado, A., Cárdenas, S., Gallego, M. and Valcárcel, M., Usefulness of the evaporative light scattering detector for direct screening of biological fluids, (435) (2001) 281 Cross, J.O., see Shaffer, R.E., (442) (2001) 295

Crouch, A.M., Khotseng, L.E., Polhuis, M. and Williams, D.R., Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate-metal ion complexes, (448) (2001) 231

Csóka, B., see Kovács, B., (437) (2001) 67

Cui, H., see Xu, C.J., (428) (2001) 235

Cullum, B.M., see Glenn, S.J., (448) (2001) 1

Cunningham, D.D., Fluidics and sample handling in clinical chemical analysis, (429) (2001) 1

Curtius, A.J., see Dressler, V.L., (438) (2001) 235

Curtius, A.J., see Pozebon, D., (438) (2001) 215

Curto, Y., see Alonso, A., (447) (2001) 211

D

Da Costa Filho, P.A. and Poppi, R.J., Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods, (446) (2001) 39

Da, S.L., see Xie, M.J., (428) (2001) 255

Dabrio, M., Van Vyncht, G., Bordin, G. and Rodriguez, A.R., Study of complexing properties of the α and β metallothionein domains with cadmium and/or zinc using electrospray ionisation mass spectrometry, (435) (2001) 319

Dai, S., see Makote, R.D., (435) (2001) 169

Dai, X., Koeberl, C. and Fröschl, H., Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, (436) (2001) 79

Dane, A.D., Rea, G.J., Walmsley, A.D. and Haswell, S.J., The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, (429) (2001) 185

Daniele, S., Bragato, C., Baldo, M. Antonietta, Mori, G. and Giannetto, M., A novel approach for the determination of the total concentration of acids in aqueous solutions by simultaneous diffusion limited current for reduction of acids and pH measurements, (432) (2001) 27

Danielsson, B., see Ramanathan, K., (427) (2001) 1

Danielsson, B., Surugiu, I., Dzgoev, A., Mecklenburg, M. and Ramanathan, K., Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, (426) (2001) 227

Danielsson, L.-G., see Berntsson, O., (431) (2001) 125

Danzaki, Y. and Wagatsuma, K., Effect of acid concentrations on the excitation temperature for vanadium ionic lines in inductively coupled plasma-optical emission spectrometry, (447) (2001) 171

Das, A.K., see Mondal, B.C., (450) (2001) 223

Das, D. and Carnahan, J.W., Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, (444) (2001) 229

Das, D., see Mondal, B.C., (450) (2001) 223

Dasgupta, P.K., see Galanis, S., (429) (2001) 101

Dasgupta, P.K., see Li, J., (442) (2001) 63

Dasgupta, P.K., see Milani, M.R., (431) (2001) 169

Dasgupta, P.K., see Waiz, S., (428) (2001) 163

Dasgupta, P.K., Tanaka, H. and Jo, K.D., Continuous on-line true titrations by feedback based flow ratiometry: application to potentiometric acid-base titrations, (435) (2001) 289

Daunert, S., see Shrestha, S., (444) (2001) 251

Daunert, S., see Wang, J., (435) (2001) 255

Davidson, C.E., see Lavine, B.K., (437) (2001) 233

Davis, J., see White, P.C., (447) (2001) 1

Davison, B., see Sartin, J.H., (428) (2001) 61

Davison, W., see Gimpel, J., (448) (2001) 93

Díaz, A. Navas, see Sánchez, F. García, (439) (2001) 131

Díaz, A.F. González, see Sánchez, F. García, (439) (2001) 131

Díaz-Cruz, M.S., Esteban, M. and Rodríguez, A.R., Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, (428) (2001) 285

Díaz-García, J., Costa-Fernández, J.M., Bordel-García, N. and Sanz-Medel, A., Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, (429) (2001) 55

de Aquino, E.V., Rohwedder, J.J. and Pasquini, C., Monosegmented flow titrator, (438) (2001) 67

de Armas, G., Becerra, E., Cladera, A., Estela, J.M. and Cerdà, V., Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, (427) (2001) 83

de Balugera, Z.G., see Unceta, N., (444) (2001) 211

de Carvalho, L.M. and Schwedt, G., Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, (436) (2001) 293

de Castro, B., see Rodrigues, C., (428) (2001) 103

de Castro, M.D.L., see Rupasinghe, T., (445) (2001) 229

de Groot, P.J., Postma, G.J., Melssen, W.J., Buydens, L.M.C., Deckert, V. and Zenobi, R., Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra, (446) (2001) 71

de Hoog, J., see Osán, J., (446) (2001) 211

de Jong, S., see Guo, Q., (446) (2001) 85

de Juan, A., Maeder, M., Martínez, M. and Tauler, R., Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes, (442) (2001) 337

de Juan, A., see Navea, S., (446) (2001) 187

de La Cruz, C., see Alciaturi, C.E., (436) (2001) 265

de la Guardia, M., see He, Y., (447) (2001) 135

De Robertis, A., see Crea, F., (436) (2001) 333

de Saja, J.A., see Guadarrama, A., (432) (2001) 283

de Sousa, C.S. and Korn, M., Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, (444) (2001) 309

de Souza Sierra, M.M., Arend, K., Fernandes, A.N., Giovanela, M. and Szpoganicz, B., Application of potentiometry to characterize acid and basic sites in humic substances. Testing the BEST7 program with a weak-acid mixture, (445) (2001) 89

De Spiegeleer, B., Van Vooren, L., Voorspoels, J., Thoné, D. and Rosier, J., Dissolution stability and IVIVC investigation of a buccal tablet, (446) (2001) 345 De Stefano, C., see Crea, F., (436) (2001) 333

Deckert, V., see de Groot, P.J., (446) (2001) 71

Deepunya, W., see Surareungchai, W., (448) (2001) 215

DeFrank, J.J., see Simonian, A.L., (442) (2001) 15

Deheidel, M.K., see Capitán-Vallvey, L.F., (440) (2001) 131

del Olmo, M., see Vîlchez, J.L., (431) (2001) 31

del Río, F. Javier, Riu, J. and Rius, F. Xavier, Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, (446) (2001) 49

del Valle, M., see Martínez-Barrachina, S., (438) (2001) 305

Delerue-Matos, C., see Garrido, E.M., (434) (2001) 35

Delgadillo, I., see Rutledge, D.N., (446) (2001) 281

Delgado Reyes, F., Fernández Romero, J.M. and Luque de Castro, M.D., Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, (436) (2001) 109

Delgado-Reyes, F., Fernández Romero, J.M. and Luque de Castro, M.D., Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, (434) (2001) 95

Deng, A., see Fránek, M., (444) (2001) 131

Deng, F.L., see Chen, B.M., (444) (2001) 223

Deng, G., see Markowitz, M.A., (435) (2001) 177

Deng, P.H., see Li, J.N., (431) (2001) 81

Deng, T.L., Chen, Y.W. and Belzile, N., Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, (432) (2001) 293

Deniel, C. and Pin, C., Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, (426) (2001) 95

Deorkar, N.V., see Garcia-Valls, R., (439) (2001) 247

Deschamps, F.V., see Idziak, I., (435) (2001) 137

Deshpande, A., see Fadnavis, N., (441) (2001) 297

Di Narda, F., Toniolo, R. and Bontempelli, G., Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide, (436) (2001) 245

Di Pietra, A.M., see Gatti, R., (447) (2001) 89

Dias, J.R., see Esteves da Silva, J.C., (450) (2001) 175

Dicinoski, G.W., see O'Reilly, J.W., (432) (2001) 165

Didenko, O.Z., see Strizhak, P.E., (428) (2001) 15

Diegor, W., Longerich, H., Abrajano, T. and Horn, I., Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasma-mass spectrometry, (431) (2001) 195

Dill, K., Montgomery, D.D., Wang, W. and Tsai, J.C., Antigen detection using microelectrode array microchips, (444) (2001) 69

Dimotikali, D., see Papadopoulos, K., (433) (2001) 263

Ding, M.T., see Yang, H.H., (435) (2001) 265

Dizer, H., see Castillo, M., (426) (2001) 265

Djozan, D., see Pournaghi-Azar, M.H., (437) (2001) 217

Doble, P., see Vachirapatama, N., (434) (2001) 301

Doğan, O., see Kaya, A., (441) (2001) 317

Dolejšová, J., see Paseková, H., (438) (2001) 165

Domínguez Renedo, O., see Alonso Lomillo, M.A., (449) (2001) 167

Donard, O.F.X., see Motelica-Heino, M., (436) (2001) 233

Dong, L., see Jia, R., (442) (2001) 249

Dong, S., see Chen, X., (434) (2001) 255

Dongduen, C., see Liawruangrath, S., (448) (2001) 37

Dong-hui, L., see Xin-qi, Z., (448) (2001) 71

Dongling, L., Xiaoyan, H. and Haizhou, W., Determination of trace amounts of niobium in steel by reversed-phase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, (449) (2001) 237

Doong, R.A. and Tsai, H.C., Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, (434) (2001) 239

dos Reis, B.F., see Packer, A.P., (438) (2001) 267

dos Santos, H.C., Korn, M.G. and Ferreira, S.L., Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon, (426) (2001) 79

dos Santos, W.N., see Ferreira, S.L., (445) (2001) 145

Douroumis, D., see Kontoyannis, C.G., (449) (2001) 135

Dressler, V.L., Pozebon, D. and Curtius, A.J., Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, (438) (2001) 235

Dressler, V.L., see Paniz, J.N.G., (445) (2001) 139

Dressler, V.L., see Pozebon, D., (438) (2001) 215

Du, J., Li, Y. and Lu, J., Investigation on the chemiluminescence reaction of luminol-H₂O₂-S²/R-SH system, (448) (2001) 79

Du, M. and Huie, C.W., Sensitive and selective determination of aluminium by peroxyoxalate chemiluminescence detection of the lumogallion complex, (443) (2001) 269

Duan, Y., see Guo, Z., (436) (2001) 41

Duarte, A., see Ramalhosa, E., (448) (2001) 135

Duarte, A.C., see Duarte, R.M., (442) (2001) 155

Duarte, R.M., Santos, E.B. and Duarte, A.C., Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, (442) (2001) 155

Dubois, F., see Charles, S., (440) (2001) 37

Dubuc, G.J., see Wang, J., (435) (2001) 255

Duponchel, L., see Ruckebusch, C., (446) (2001) 257

Dupont-Filliard, A., Roget, A., Livache, T. and Billon, M., Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, (449) (2001) 45

Duque, O., see Capitán-Vallvey, L.F., (433) (2001) 155

Durrieu, F.V., see Lamontagne, J., (444) (2001) 241

Durst, H.D., see Ong, K.K., (444) (2001) 143

Dürüst, N. and Meyerhoff, M.E., Determination of pentosan polysulfate and its binding to polycationic species using polyionsensitive membrane electrodes, (432) (2001) 253

Dybko, A., see Chudy, M., (429) (2001) 347

Dybko, A., see Wróblewski, W., (432) (2001) 79

Dzgoev, A., see Danielsson, B., (426) (2001) 227

Dziuba, J., Nałęcz, D. and Minkiewicz, P., Reversed-phase highperformance liquid chromatography on-line with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins, (449) (2001) 243

Dzyadevych, S.V., Arkhypova, V.N., Korpan, Y.I., El'skaya, A.V., Soldatkin, A.P., Jaffrezic-Renault, N. and Martelet, C., Conductometric formaldehyde sensitive biosensor with specifically adapted analytical characteristics, (445) (2001) 47

Dżygiel, P., see Rak, M., (433) (2001) 227

E

Easwaramoorthy, D., Yu, Y.C. and Huang, H.J., Chemiluminescence detection of paracetamol by a luminol-permanganate based reaction, (439) (2001) 95

Eberlin, M.N., see Zampronio, C.G., (446) (2001) 495

Ebinghaus, R., see Elsholz, O., (438) (2001) 251

Ebinghaus, R., see Wurl, O., (438) (2001) 245

Eckhardt, J.D., see Zimmermann, S., (439) (2001) 203

Edreira, M.C., Feliu, M.J., Fernández-Lorenzo, C. and Martín, J., Roman wall paintings characterization from *Cripta del Museo* and *Alcazaba* in Mérida (Spain): chromatic, energy dispersive Xray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, (434) (2001) 331

Edwards, H.G.M., see Brody, R.H., (427) (2001) 223

Efremenko, E.N., see Simonian, A.L., (444) (2001) 179

Efstathiou, C.E., see Solich, P., (438) (2001) 131

Egberink, R.J., see Wróblewski, W., (432) (2001) 79

Egea, S., see López, F.J., (433) (2001) 217

Ehrentreich, F., Three-step procedure for infrared spectrum interpretation, (427) (2001) 233

Eiceman, G.A., Nazarov, E.G. and Rodriguez, J.E., Chemical class information in ion mobility spectra at low and elevated temperatures, (433) (2001) 53

Eide, I., see Shen, H., (446) (2001) 313

Eiguren Fernández, A., Sosa Ferrera, Z. and Santana Rodríguez, J.J., Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, (433) (2001) 237

Eikenberg, A., see Zeck, A., (441) (2001) 1

Eikermann, D., Borchardt, M., Cammann, K., Knoll, M. and Wendzinski, F., Densitometric analysis for quality control in poly(vinyl chloride)-membrane electrode manufacturing, (436) (2001) 139

Elam, W.T., see Shaffer, R.E., (442) (2001) 295

Elcock, F.J., see Wu, W., (446) (2001) 451

El-Shahawi, M.S., see Saleh, S.M., (436) (2001) 69

El-Shemy, H.A., Nishimura, T. and Fujita, K., Direct sequencing of peptides transferred onto polyvinylidene difluoride membrane from sodium dodecyl sulfate–polyacrylamide gel electrophoresis by electroblotting, (442) (2001) 113

Elsholz, O., Frank, C., Stachel, B., Reincke, H. and Ebinghaus, R., Sequential injection standard addition for on-line measurement of mercury in the river Elbe, (438) (2001) 251

Elsholz, O., see Wurl, O., (438) (2001) 245

El'skaya, A.V., see Dzyadevych, S.V., (445) (2001) 47

Emanuel, P.A., see Ong, K.K., (444) (2001) 143

Emerenciano, V.P., see Ferreira, M.J., (429) (2001) 151

Emerenciano, V.P., see Ferreira, M.J., (447) (2001) 125

Emin, J.L., see Esbelin, E., (433) (2001) 299

Emin, J.-L., see Esbelin, E., (442) (2001) 171

Emnéus, J., see Bjarnason, B., (426) (2001) 197

Emnéus, J., see Nistor, C., (426) (2001) 185

Emons, H., see Krachler, M., (429) (2001) 125

Emons, H., see Krachler, M., (432) (2001) 303

Endo, Y., see Shibukawa, M., (427) (2001) 293

Engelsen, S.B., see Munck, L., (446) (2001) 171

Enrique, P., see Solé, J., (440) (2001) 199

Ensafi, A.A., see Kazemzadeh, A., (442) (2001) 319

Ensley, H.E., see Blake, D.A., (444) (2001) 3

Ensor, C. Mark, see Wang, J., (435) (2001) 255

Erdem, A. and Ozsoz, M., Interaction of the anticancer drug epirubicin with DNA, (437) (2001) 107

Erdem, A., see Kerman, K., (450) (2001) 45

Eremin, S., see Bjarnason, B., (426) (2001) 197

Erk, M. and Raspor, B., Interference of Pb leaching from the pH electrode on Cd-metallothionein complex, (442) (2001) 165

Ernst, H. and Knoll, M., Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode, (449) (2001) 129

Ersoy, L., see Saglik, S., (427) (2001) 253

Ertuğrul, M., see Kaya, A., (441) (2001) 317

Esbelin, E., Gareil, P., Masson, M. and Emin, J.L., Investigation of Mo(VI) monomer–dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, (433) (2001) 299

Esbelin, E., Gareil, P., Masson, M. and Emin, J.-L., Determination of Mo(VI)–Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, (442) (2001) 171

Escarpa, A. and González, M.C., Approach to the content of total extractable phenolic compounds from different food samples by comparison of chromatographic and spectrophotometric methods, (427) (2001) 119

Escobar, M.E., see Alciaturi, C.E., (436) (2001) 265

Escuder-Gilabert, L., Martín-Biosca, Y., Sagrado, S., Villanueva-Camañas, R.M. and Medina-Hernández, M.J., Biopartitioning micellar chromatography to predict ecotoxicity, (448) (2001) 173

Escuder-Gilabert, L., see Martín-Biosca, Y., (443) (2001) 191

Eshold, J., see Scheipers, A., (439) (2001) 29

Espinosa-Mansilla, A., Acedo Valenzuela, M.I., Muñoz de la Peña, A., Salinas, F. and Cañada, F. Cañada, Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, (427) (2001) 129

Esteban Diez, I., see Forina, M., (446) (2001) 59

Esteban, M., see Díaz-Cruz, M.S., (428) (2001) 285

Estela, J.M., see de Armas, G., (427) (2001) 83

Estela, J.M., see Miró, M., (437) (2001) 55

Estela, J.M., see Miró, M., (438) (2001) 103

Esteve-Romero, J., see Capella-Peiró, E., (427) (2001) 93

Esteves da Silva, J.C., Dias, J.R. and Magalhães, J.M., Factorial analysis of a chemiluminescence system for bromate detection in water, (450) (2001) 175

Estienne, F. and Massart, D.L., Mutlivariate calibration with Raman data using fast principal component regression and partial least squares methods, (450) (2001) 123

Evans, E. Hywel, see Truscott, J.B., (433) (2001) 245

Evans, G.J., see Gilmore, E.A., (439) (2001) 139

Evmiridis, N.P., see Yao, D., (435) (2001) 273

Evmiridis, N.P., see Yao, D., (450) (2001) 63

F

Fabbri, D. and Chiavari, G., Analytical pyrolysis of carbohydrates in the presence of hexamethyldisilazane, (449) (2001) 271

Fabbri, M., see Bacci, M., (446) (2001) 15

Faber, N.(.M., Critical evaluation of a significance test for partial least squares regression, (432) (2001) 235

Faber, N.(.M., Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, (439) (2001) 193

Faber, N.(.M., see Song, X.H., (446) (2001) 329

Fabre, H., see Bennani, N., (434) (2001) 67

Fadnavis, N., Bhaskar, V., Deshpande, A. and Bhalerao, U., Determination of enantiomeric excess of dextropropoxyphene and α-(+)-oxyphene by chiral high-performance liquid chromatography, (441) (2001) 297

Fähnrich, J., see Záruba, K., (437) (2001) 39

Fairman, B., see Wolff Briche, C.S., (437) (2001) 1

Fairman, B.E., see Truscott, J.B., (433) (2001) 245

Fakler, A., see Zhang, X., (445) (2001) 57

Falqué López, E., see Pérez Cid, B., (431) (2001) 209

Fan, G., see Guo, Z., (436) (2001) 41

Fan, T.S., see Prince, A.E., (444) (2001) 37

Fang, G. and Liu, N., Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, (445) (2001) 245

Fang, Y., see Hu, Q., (437) (2001) 123

Fang, Y., see Zhang, L., (431) (2001) 287

Fang, Y., see Zhou, T., (441) (2001) 23

Farré, M., García, M.J., Tirapu, L., Ginebreda, A. and Barceló, D., Wastewater toxicity screening of non-ionic surfactants by Toxalert ^R and Microtox ^R bioluminescence inhibition assays, (427) (2001) 181

Farré, M., Pasini, O., Carmen Alonso, M., Castillo, M. and Barceló, D., Toxicity assessment of organic pollution in wastewaters using a bacterial biosensor, (426) (2001) 155

Fatibello-Filho, O., see Teixeira, M.F., (443) (2001) 249

Faure, R., see Bombarda, I., (447) (2001) 113

Faurie, R., see Timur, S., (445) (2001) 191

Favero, G., see Campanella, L., (426) (2001) 235

Favretto, A., see Barbieri, P., (440) (2001) 161

Feist, B., see Borsdorf, H., (440) (2001) 63

Feliu, M.J., see Edreira, M.C., (434) (2001) 331

Fell Jr., N.F., Pellegrino, P.M. and Gillespie, J.B., Mitigating phosphate interference in bacterial endospore detection by Tb dipicolinate photoluminescence, (426) (2001) 43

Feng, P., Li, Y.F. and Huang, C.Z., Determination of chlortetracycline in body fluids with the complex cation of chlortetracyclineeuropium(III)-trioctylphosphine oxide by total internal reflected fluorescence at a water/tetrachloromethane interface, (442) (2001) 89

Feng, P., see Huang, C.Z., (443) (2001) 73

Feng, Y., see Luo, C., (428) (2001) 143

Feng, Y.Q., see Xie, M.J., (428) (2001) 255

Ferancová, A., Korgová, E., Buzinkaiová, T., Kutner, W., Štěpánek, I. and Labuda, J., Electrochemical sensors using screen-printed

carbon electrode assemblies modified with the β -cyclodextrin or carboxymethylated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, (447) (2001) 47

Fernanda Pimentel, M., see Kawakami Harrop Galvão, R., (443) (2001) 107

Fernandes, A.N., see de Souza Sierra, M.M., (445) (2001) 89

Fernández Alborés, A., see Pérez Cid, B., (431) (2001) 209

Fernández Bobes, C., see José Bengoechea Álvarez, M., (442) (2001) 55

Fernández de la Campa, M.R., see Álvarez-Llamas, G., (448) (2001) 105

Fernández Gómez, E., see Pérez Cid, B., (431) (2001) 209

Fernández Ramos, M.D., see Capitán-Vallvey, L.F., (440) (2001) 131

Fernández Romero, J.M., see Delgado Reyes, F., (436) (2001) 109 Fernández Romero, J.M., see Delgado-Reyes, F., (434) (2001) 95

Fernández, F.M., Tudino, M.B. and Troccoli, O.E., Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, (433) (2001) 119

Fernández-Alba, A.R., Guil, L.H., López, G.D. and Chisti, Y., Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, (426) (2001) 289

Fernández-Fernández, E., see Moreda-Piñeiro, J., (431) (2001) 157 Fernández-Lorenzo, C., see Edreira, M.C., (434) (2001) 331

Fernández-Pérez, V., Jiménez-Carmona, M.M. and Luque de Castro, M.D., Continuous liquid-liquid extraction using modified subcritical water for the demetalisation of used industrial oils, (433) (2001) 47

Fernández-Romero, J.M., see Amador-Hernández, J., (435) (2001)

Fernández-Romero, J.M., see Amador-Hernández, J., (448) (2001)

Ferrarello, C.N., Montes Bayón, M., García Alonso, J. Ignacio and Sanz-Medel, A., Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, (429) (2001) 227

Ferreira, C.P., see Planchon, F.A., (450) (2001) 193

Ferreira, M.J., Brant, A.J., Rodrigues, G.V. and Emerenciano, V.P., Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, (429) (2001) 151

Ferreira, M.J., Costantin, M.B., Sartorelli, P., Rodrigues, G.V., Limberger, R., Henriques, A.T., Kato, M.J. and Emerenciano, V.P., Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, (447) (2001) 125

Ferreira, S.L., dos Santos, W.N. and Lemos, V.A., On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry, (445) (2001) 145

Ferreira, S.L., see dos Santos, H.C., (426) (2001) 79

Ferreira, S.L., see Lemos, V.A., (441) (2001) 281

Ferreira, V.J.F., see Pezza, L., (433) (2001) 281

Fichet, P., Mauchien, P., Wagner, J.F.V. and Moulin, C., Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, (429) (2001) 269 Fiksdal, L., see Pérez, F., (427) (2001) 149

Fink, H., Panne, U. and Niessner, R., Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, (440) (2001) 17

Fiol, S., see López, R., (434) (2001) 105

Firth, S., see Smith, G.D., (440) (2001) 185

Fischer, B., see Castillo, M., (426) (2001) 265

Fischer, E. and van den Berg, C.M., Determination of lead complexation in lake water by cathodic stripping voltammetry and ligand competition, (432) (2001) 11

Fisher, A., see Pardo-Martínez, M., (441) (2001) 29

Fisher, M., see Litani-Barzilai, I., (439) (2001) 1

Fletcher, P.J., see Hanrahan, G., (440) (2001) 55

Flores, E.M., see Paniz, J.N.G., (445) (2001) 139

Flounders, A.W., see Simonian, A.L., (442) (2001) 15

Flowers, H., see Kubáň, P., (437) (2001) 115

Fodor, P., see Ipolyi, I., (435) (2001) 367

Fogg, A.G., see Rodrigues, J.A., (449) (2001) 119

Folestad, S., see Berntsson, O., (431) (2001) 125

Fonnesbeck, J.E., see Berg, J.F., (447) (2001) 191

Fontaine, J., see Gaudin, V., (436) (2001) 191

Forina, M., Lanteri, S. and Esteban Diez, I., New index for clustering tendency, (446) (2001) 59

Foster, N., see Autrey, T., (434) (2001) 217

Fournier, D., see Nunes, G.S., (434) (2001) 1

Fránek, M., Deng, A., Kolář, V. and Socha, J., Direct competitive immunoassays for the coplanar polychlorinated biphenyls, (444) (2001) 131

Franek, M., see Killard, A.J., (427) (2001) 173

Frank, C., see Elsholz, O., (438) (2001) 251

Frank, M., Ulmer, H., Ruiz, J., Visani, P. and Weimar, U., Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, (431) (2001) 11

Frenzel, W., see Miró, M., (437) (2001) 55

Fröschl, H., see Dai, X., (436) (2001) 79

Froudakis, G.E., see Andredakis, G.E., (439) (2001) 273

Fu, R.N., see Shi, X.Y., (445) (2001) 221

Fujii, N., see Kobayashi, T., (435) (2001) 141

Fujii, S., see Helaleh, M.I., (428) (2001) 227

Fujimoto, T., see Takeda, K., (426) (2001) 105

Fujita, K., see El-Shemy, H.A., (442) (2001) 113 Funatsu, K., see Yoshida, H., (446) (2001) 485

Fuster Mestre, Y., Lahuerta Zamora, L. and Martínez Calatayud, J., Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor

as a highly stable reagent source, (438) (2001) 93

G

Gaber, A.A.A., see Saleh, M.B., (434) (2001) 247

Gaber, B.P., see Markowitz, M.A., (435) (2001) 177

Galanis, S. and Dasgupta, P.K., Measurement of parts per million levels of potassium hydroxide in polyether polyol streams, (429) (2001) 101 Galbán, J., Sanz-Vicente, I., Castillo, J.R. and Luque de Castro, M.D., Integrated analytical pervaporation-gas-phase absorptiometry: theoretical aspects and applications, (434) (2001) 81

Galceran, M. Teresa, see Sentellas, S., (431) (2001) 49

Galhardo, C.X. and Masini, J.C., Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃⁻ and NO₂⁻ in natural and waste waters, (438) (2001) 39

Gallardo, M. Vergara, Bohari, Y., Astruc, A., Potin-Gautier, M. and Astruc, M., Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, (441) (2001) 257

Gallego, M., see Columé, A., (436) (2001) 153

Gallego, M., see Criado, A., (435) (2001) 281

Galletti, G.C., see Andalò, C., (429) (2001) 279

Galletti, G.C., see Bocchini, P., (441) (2001) 37

Gameiro, P., see Rodrigues, C., (428) (2001) 103

Gan, F., see Liang, Y., (446) (2001) 115

Gan, N., see Wang, X., (449) (2001) 35

Gang, C., see Tianyou, P., (433) (2001) 255

Ganjali, M.R., Poursaberi, T., Babaei, L.H.a., Rouhani, S., Yousefi, M., Kargar-Razi, M., Moghimi, A., Aghabozorg, H. and Shamsipur, M., Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base, (440) (2001) 81

Ganjali, M.R., see Shamsipur, M., (434) (2001) 23

Gao, H., see Zhang, X., (443) (2001) 117

Gao, M., see Xu, F., (439) (2001) 239

Gao, Q., see Zhang, C., (426) (2001) 33

Gao, X.F., Li, Y.S. and Karube, I., Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, (443) (2001) 257

Gapes, J. Richard, see Kansiz, M., (438) (2001) 175

García Alonso, J. Ignacio, see Ferrarello, C.N., (429) (2001) 227

García Campaña, A.M., see Wang, J., (428) (2001) 173

García de María, C., see Alonso, A., (447) (2001) 211

García Mateo, J.V., see Catalá Icardo, M., (438) (2001) 281

García Mateo, J.V., see Catalá Icardo, M., (443) (2001) 153

García Montelongo, F.J., see Malovaná, S., (428) (2001) 245

García Pinto, C., see González Martín, Y., (449) (2001) 69

García, J.F., see Toribio, M., (447) (2001) 179

García, L., Blázquez, S., San Andrés, M.P. and Vera, S., Determination of thiamine, riboflavin and pyridoxine in pharmaceuticals by synchronous fluorescence spectrometry in organized media, (434) (2001) 193

García, M.J., see Farré, M., (427) (2001) 181

García-Alonso, S., Pérez-Pastor, R.M. and Quejido-Cabezas, A.J., Optimised chromatographic method for the measurement of selected polychlorinated biphenyls in ambient air, (440) (2001) 223

García-Alvarez-Coque, C., see Capella-Peiró, E., (427) (2001) 93García-Alvarez-Coque, M.C., see López-Grío, S.J., (433) (2001) 187

García-Beltrán, L., see Sabé, R., (436) (2001) 215

García-Campaña, A.M., Barrero, F. Alés, González, A. Lupiáñez and Ceba, M. Román, Non-ionic micellar solubilization spectrofluorimetric determination of trace of germanium(IV) with quercetin in real samples, (447) (2001) 219

García-Moreno, E., Ruiz, M.A., Barbas, C. and Pingarrón, J.M., Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, (448) (2001) 9

Garcia-Valls, R., Hrdlicka, A., Perutka, J., Havel, J., Deorkar, N.V., Tavlarides, L.L., Muñoz, M. and Valiente, M., Separation of rare earth elements by high performance liquid chromatography using a covalent modified silica gel column, (439) (2001) 247

Garden, S.R. and Strachan, N.J.C., Novel colorimetric immunoassay for the detection of aflatoxin B₁, (444) (2001) 187

Gareil, P., see Esbelin, E., (433) (2001) 299

Gareil, P., see Esbelin, E., (442) (2001) 171

Gargallo, R., see Vives, M., (446) (2001) 439

Garrido Frenich, A., Picón Zamora, D., Martínez Vidal, J.L. and Martínez Galera, M., Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, (449) (2001) 143

Garrido, E.M., Lima, J.L.F.C., Delerue-Matos, C., Borges, F., Silva, A.M.S. and Brett, A.M. Oliveira, Electrochemical oxidation of propanil and related N-substituted amides, (434) (2001) 35

Gaspari, V., see Planchon, F.A., (450) (2001) 193

Gatti, R., Gioia, M.G., Di Pietra, A.M. and Cavrini, V., Analysis of phenols in pharmaceuticals by liquid chromatography after precolumn labelling and on-line post-column photochemical derivatization, (447) (2001) 89

Gaudin, V., Fontaine, J. and Maris, P., Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, (436) (2001) 191

Gauglitz, G., see Kieser, B., (434) (2001) 231

Gauglitz, G., see Mallat, E., (426) (2001) 209

Gauglitz, G., see Mallat, E., (427) (2001) 165

Gavalas, V.G. and Chaniotakis, N.A., Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, (427) (2001) 271

Gawryś, M. and Golimowski, J., Sensitive and very selective determination of titanium by adsorptive-catalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, (427) (2001) 55

Gaydou, J.P., see Bombarda, I., (447) (2001) 113

Ge, Y., see Rathbone, D.L., (435) (2001) 129

Geay, P.-Y., see Rajeb, S.B., (432) (2001) 193

Gee, S.J., see Matveeva, E.G., (444) (2001) 103

Gee, S.J., see Shan, G., (444) (2001) 169

Gee, S.J., see Staimer, N., (444) (2001) 27

Gee, S.J., see Watanabe, T., (444) (2001) 119

Geladi, P., see Lindholm-Sethson, B., (446) (2001) 121

Gemeiner, P., see Tkáč, J., (439) (2001) 39

Georges, J., see Arnaud, N., (445) (2001) 239

Georgiou, C.A., see Labrinea, E.P., (448) (2001) 201

Ghadiri, M., see Kargosha, K., (437) (2001) 139

Ghommidh, C., see Jeanty, G., (436) (2001) 119

Giannetto, M., see Daniele, S., (432) (2001) 27

Gil-Garcia, M.D., see López-López, T., (447) (2001) 101

Gillespie, J.B., see Fell Jr., N.F., (426) (2001) 43

Gillespie, J.B., see Taylor, L.C., (435) (2001) 239

Gilmore, E.A., Evans, G.J. and Ho, M.D., Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure, (439) (2001) 139

Gimpel, J., Zhang, H., Hutchinson, W. and Davison, W., Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, (448) (2001) 93

Giné, M.F., see Packer, A.P., (438) (2001) 267

Ginebreda, A., see Farré, M., (427) (2001) 181

Gioia, M.G., see Gatti, R., (447) (2001) 89

Giorgetti, M., see Morigi, M., (447) (2001) 265

Giovanela, M., see de Souza Sierra, M.M., (445) (2001) 89

Gitter, M., see Scheipers, A., (439) (2001) 29

Głąb, S.V., see Lenarczuk, T., (447) (2001) 23

Gledhill, M., see Hanrahan, G., (440) (2001) 55

Glenn, S.J., Cullum, B.M., Nair, R.B., Nivens, D.A., Murphy, C.J. and Angel, S. Michael, Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, (448) (2001) 1

Gnecco, C., see Pesavento, M., (449) (2001) 23

Goicolea, M. Aranzazu, see Unceta, N., (444) (2001) 211

Golimowski, J., see Gawryś, M., (427) (2001) 55

Gómez-Hens, A., see Krasnova, A.I., (441) (2001) 249

Gomis, D.B., Palomino, N.F. and Alonso, J.J.M., Capillary liquid chromatographic determination of neutral phenolic compounds in apple juices, (426) (2001) 111

Gong, B., Li, X., Wang, F., Xu, H. and Chang, X., Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, (427) (2001) 287

Gong, B., see Wang, G., (448) (2001) 165

Gong, F., Liang, Y.Z., Xu, Q.S., Chau, F.T. and Ng, K.M., Evaluation of separation quality in two-dimensional hyphenated chromatography, (450) (2001) 99

Gong, F., see Xu, C.J., (428) (2001) 235

Gong, Z., Chan, W.F., Wang, X. and Lee, F.S.C., Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, (450) (2001) 207

González Martín, Y., Cerrato Oliveros, M. Concepción, Pérez Pavón, J.L., García Pinto, C. and Moreno Cordero, B., Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, (449) (2001) 69

González, A. Lupiáñez, see García-Campaña, A.M., (447) (2001) 219

Gonzalez, C., see Roig, B., (437) (2001) 145

González, J.M., see Blanco, M., (434) (2001) 133

González, M.C., see Escarpa, A., (427) (2001) 119

González-Casado, A., see Vílchez, J.L., (431) (2001) 31

González-Cortés, A., see Pingarrón, J.M., (439) (2001) 281

González-Toledo, E., Benzi, M., Compañó, R., Granados, M. and Prat, M.D., Speciation of organotin compounds in shellfish by liquid chromatography fluorimetric detection, (443) (2001) 183

Gooijer, C., see Luthe, G., (429) (2001) 49

Goormaghtigh, E., see Acha, V., (435) (2001) 215

Gopel, W., see Abbas, M.N., (431) (2001) 181

Görgényi, M., see Körtvélyesi, T., (428) (2001) 73

Gorius, O., Bertho, J.N. and Nuzillard, J.M., Determination and prediction of the average polymerization degree of alkyl polyglucosides, (440) (2001) 231

Gormally, C., see O'Connell, P.J., (431) (2001) 239

Gorvacheva, I., see Melnikov, G., (439) (2001) 81

Gosain, S., see Mishra, S., (439) (2001) 115

Goto, C., see Ito, T., (443) (2001) 41

Gouveia, S.T., Silva, F.V., Costa, L.M., Nogueira, A.R.A. and Nóbrega, J.A., Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations, (445) (2001) 269

Gow, I.F., Measurement of ionised magnesium in HEPES-buffered serum samples, (432) (2001) 143

Granados, M., see González-Toledo, E., (443) (2001) 183

Granados, M., see Saurina, J., (432) (2001) 241

Granjeiro, P.A., see Calvo-Marzal, P., (441) (2001) 207

Greenway, G.M., see Petsul, P.H., (428) (2001) 155

Gregorio, D. Martínez, see Pons, O. Rubio, (438) (2001) 149

Grennan, K., see Killard, A.J., (427) (2001) 173

Gresham, G.L., see Stone, M.L., (426) (2001) 147

Gridin, V.V., see Belostotsky, I., (429) (2001) 215

Gridin, V.V., see Litani-Barzilai, I., (439) (2001) 1

Griffiths, J.R., see Creaser, C.S., (436) (2001) 273

Grimsley, J.K., see Simonian, A.L., (442) (2001) 15

Gritsch, M., see Constantinides, I., (440) (2001) 189

Grootboom, N. and Nyokong, T., Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, (432) (2001) 49

Grosset, C., see Peyrin, E., (428) (2001) 83

Grover, S.K., see Kumar, A., (427) (2001) 143

Grudpan, K., see Jakmunee, J., (438) (2001) 299

Grün, A., see Kunsági-Máté, S., (443) (2001) 227

Grung, B., see Shen, H., (446) (2001) 313

Gu, J.L., see Shi, X.Y., (445) (2001) 221

Guadarrama, A., Rodríguez-Méndez, M.L., Sanz, C., Ríos, J.L. and de Saja, J.A., Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, (432) (2001) 283

Guil, L.H., see Fernández-Alba, A.R., (426) (2001) 289

Guilbault, G.G., see Kreuzer, M.P., (442) (2001) 45

Guilbault, G.G., see O'Connell, P.J., (431) (2001) 239

Guillaume, Y.C., Guinchard, C., Truong, T.T. and Millet, J., Sucrose dependence of solute inclusion in surfactant micelles: hydrophobic effect and geometrical considerations, (447) (2001) 237

Guillaume, Y.C., see Peyrin, E., (428) (2001) 83

Guinchard, C., see Guillaume, Y.C., (447) (2001) 237

Guiseppi-Elie, A., see Brahim, S., (448) (2001) 27

Guo, C.C., see Zhang, X.B., (439) (2001) 65

Guo, M., Zou, H., Wang, H., Kong, L. and Ni, J., Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, (443) (2001) 91

Guo, Q., Wu, W., Massart, D.L., Boucon, C. and de Jong, S., Feature selection in sequential projection pursuit, (446) (2001) 85

Guo, X.Q., see Yang, X.F., (434) (2001) 169

Guo, Z., Jin, Q., Fan, G., Duan, Y., Qin, C. and Wen, M., Microwaveassisted extraction of effective constituents from a Chinese herbal medicine Radix puerariae, (436) (2001) 41 Guo, Z., see Zheng, X., (441) (2001) 81

Guo, Z.X., see Cong, X., (444) (2001) 205

Gupta, K.C. and Jeanne D'Arc, M., Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes, (437) (2001) 199

Gutz, I.G., see Cavicchioli, A., (445) (2001) 127

H

Ha, J., see Choi, S.H., (431) (2001) 261

Ha, J., Sun, H.W., Sun, J.M., Zhang, D.Q. and Yang, L.L., Determination of tellurium in urine by hydride generation atomic absorption spectrometry with derivative signal processing, (448) (2001) 145

Haddad, P.R., see O'Reilly, J.W., (432) (2001) 165

Haddad, P.R., see Vachirapatama, N., (434) (2001) 301

Haddad, P.R., see Yokoyama, T., (442) (2001) 221

Haizhou, W., see Dongling, L., (449) (2001) 237

Hajos, P., see Conca, R., (439) (2001) 107

Hałaburda, P., see Michałowski, J., (438) (2001) 143

Hall, A.J., see Lanza, F., (435) (2001) 91

Hall, E.A., see Heng, L.Y., (443) (2001) 25

Halsall, C.J., see Sartin, J.H., (428) (2001) 61

Halsall, H.B., see Kradtap, S., (444) (2001) 13

Hammock, B.D., see Matveeva, E.G., (444) (2001) 103

Hammock, B.D., see Shan, G., (444) (2001) 169

Hammock, B.D., see Staimer, N., (444) (2001) 27

Hammock, B.D., see Watanabe, T., (444) (2001) 119

Han, S.H., see Choi, S.H., (431) (2001) 261

Han, T.S., Kim, Y.C., Sasaki, S., Yano, K., Ikebukuro, K., Kitayama, A., Nagamune, T. and Karube, I., Microbial sensor for trichloroethylene determination, (431) (2001) 225

Hanaoka, S., Lin, J.M. and Yamada, M., Chemiluminescent flow sensor for H₂O₂ based on the decomposition of H₂O₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin, (426) (2001) 57

Handa, A., see Jain, V.K., (429) (2001) 237

Hänninen, O., see Tuovinen, K., (440) (2001) 151

Hanrahan, G., Gledhill, M., Fletcher, P.J. and Worsfold, P.J., High temporal resolution field monitoring of phosphate in the River Frome using flow injection with diode array detection, (440) (2001) 55

Hansen, A.M., see Nikolajsen, R.P., (449) (2001) 1

Hansen, E.H., see Wang, J., (435) (2001) 331

Hansen, P.D., see Castillo, M., (426) (2001) 265

Hardcastle, J., see Jano, I., (428) (2001) 309

Harrington, C., see Wolff Briche, C.S., (437) (2001) 1

Harrington, P.B., see Urbas, A.A., (446) (2001) 393

Harrington, P.d.B., see Buxton, T.L., (434) (2001) 269

Harrington, P.d.B., see Zhang, Z., (436) (2001) 281

Hart, J.P., see Honeychurch, K.C., (431) (2001) 89

Hart, K., see Chuang, J.C., (444) (2001) 87

Haruyama, T., see Zhang, C., (442) (2001) 257

Harvey, L.M., see Vaidyanathan, S., (428) (2001) 41

Hasegawa, Y., Miratsu, M. and Choppin, G.R., Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10-phenanthroline adduct formation across lanthanoid series, (428) (2001) 149

Hashimoto, K., see Kim, Y.C., (432) (2001) 59

Hassan, S.S., Marei, S.A., Badr, I.H. and Arida, H.A., Novel solidstate ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, (427) (2001) 21

Hassan, S.S., see Saleh, M.B., (434) (2001) 247

Haswell, S.J., see Dane, A.D., (429) (2001) 185

Haswell, S.J., see Petsul, P.H., (428) (2001) 155

Hauser, P.C., see Jacquinot, P., (432) (2001) 1

Hauser, P.C., see Jacquinot, P., (443) (2001) 53

Havel, J., see Garcia-Valls, R., (439) (2001) 247

Havel, J., see Kalný, D., (439) (2001) 101

Hayakawa, K., Noji, K., Tang, N., Toriba, A., Kizu, R., Sakai, S. and Matsumoto, Y., A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates, (445) (2001) 205

Hayashi, K., see Kurita, R., (441) (2001) 165

Hayashi, K., see Ivarsson, P., (449) (2001) 59

Hayashi, T., see Shibukawa, M., (427) (2001) 293

Hayashi, Y., Matsuda, R., Ito, K., Maeda, M. and Imai, K., Deductive prediction of precision and detection limit in bioluminescent measurement systems, (441) (2001) 243

He, F., see Jiang, C., (439) (2001) 307

He, R. and Wang, J., Catalytic determination of cobalt by a concentration-jump chemical relaxation method, (432) (2001) 151

He, X., see Chen, L., (437) (2001) 191

He, X., see Chen, L., (447) (2001) 41

He, X.W., see Lai, J.P., (442) (2001) 105

He, Y., Cervera, M. Luisa, Pastor, A. and de la Guardia, M., Determination of chromium(III) and chromium(VI) in mineral water by bidirectional electrostacking and electrothermal atomic absorption spectrometry, (447) (2001) 135

He, Z.K., see Ling, L.S., (436) (2001) 207

Héberger, K., see Körtvélyesi, T., (428) (2001) 73

Hedin-Dahlström, J., see Nicholls, I.A., (435) (2001) 9

Heineman, W.R., see Kradtap, S., (444) (2001) 13

Helaleh, M.I., Takabayashi, Y., Fujii, S. and Korenaga, T., Gas chromatographic—mass spectrometric method for separation and detection of endocrine disruptors from environmental water samples, (428) (2001) 227

Hellweg, C.E., Baumstark-Khan, C. and Horneck, G., Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, (427) (2001) 191

Hellweg, C.E., Baumstark-Khan, C., Rettberg, P. and Horneck, G., Suitability of enhanced green fluorescent protein as a reporter component for bioassays, (426) (2001) 175

Hendl, O., Howell, J.A., Lowery, J. and Jones, W., A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, (427) (2001) 75

Heng, L.Y. and Hall, E.A., Assessing a photocured self-plasticised acrylic membrane recipe for Na* and K* ion selective electrodes, (443) (2001) 25 Henke, L., Piunno, P.A., Nagy, N., Wust, C.C. and Krull, U.J., Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, (433) (2001) 31

Henriques, A.T., see Ferreira, M.J., (447) (2001) 125

Hernández, F., see López, F.J., (433) (2001) 217

Hernández-Carrasquilla, M., Gas chromatography-mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, (434) (2001) 59

Hernández-Cassou, S., see Saurina, J., (438) (2001) 335

Hernández-Cassou, S., see Sentellas, S., (431) (2001) 49

Herráez-Hernández, R. and Campíns-Falcó, P., Chiral separation of ephedrines by liquid chromatography using β-cyclodextrins, (434) (2001) 315

Herrero, A., see Rueda, M.E., (446) (2001) 269

Herrero, A., see Sanz, M.B., (446) (2001) 297

Hewitt, C.N., see Sartin, J.H., (428) (2001) 61

Heywood, R., see Bosworth, T., (450) (2001) 253

Heywood, R., see Kim, I.S., (450) (2001) 13

Hibbert, D. Brynn, Jiang, J. and Mulholland, M.I., Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, (443) (2001) 205

Hieftje, G.M., see Ray, S.J., (445) (2001) 35

High, B., Bruce, D. and Richter, M.M., Determining copper ions in water using electrochemiluminescence, (449) (2001) 17

Hill, S.J., see Pardo-Martínez, M., (441) (2001) 29

Hill, S.J., see Unsworth, E.R., (442) (2001) 141

Hindson, B.J. and Barnett, N.W., Analytical applications of acidic potassium permanganate as a chemiluminescence reagent, (445)

Hirakawa, T., see Suzuki, H., (431) (2001) 249

Hirano, K., Yamato, H., Kunimoto, K. and Ohwa, M., Novel electron transfer mediators based on p-phenylenediamine for lactate oxidase, (443) (2001) 265

Hirata, S., Ishida, Y., Aihara, M., Honda, K. and Shikino, O., Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, (438) (2001) 205

Hirata, Y., see Mizutani, F., (441) (2001) 175

Hirayama, N., see Oshima, S., (441) (2001) 157

Hisamoto, H., see Kurihara, K., (426) (2001) 11

Hishiya, T., see Asanuma, H., (435) (2001) 25

Ho, M.D., see Gilmore, E.A., (439) (2001) 139

Ho, W.H. and Hsieh, S.J., Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, (428) (2001) 111

Hocevar, S.B., see Wang, J., (434) (2001) 29

Hodgson, A.W., see Jacquinot, P., (443) (2001) 53

Hoekstra, J.C., see Pineda, R., (449) (2001) 111

Hohnholt, S.G., see Waiz, S., (428) (2001) 163

Höjer, N.E., see Ivarsson, P., (449) (2001) 59

Holakovsky, R., see Krondak, M., (448) (2001) 19

Holland, P., see Petcu, M., (435) (2001) 49

Holland, T.W., see Achterberg, E.P., (442) (2001) 1

Hollingworth, T.A., see Hungerford, J.M., (438) (2001) 123

Homoda, A.M., see Abbas, M.N., (436) (2001) 223

Honda, K., see Hirata, S., (438) (2001) 205

Honeychurch, K.C., Hart, J.P. and Cowell, D.C., Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, (431) (2001) 89

Hong, Z., see Xin-qi, Z., (448) (2001) 71

Honjo, T., see Oshima, S., (441) (2001) 157

Honorato, R.S., Carneiro, J.M. and Zagatto, E.A., Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, (441) (2001) 309

Hontoria, E., see Vîlchez, J.L., (431) (2001) 31

Hopke, P.K., see Ramadan, Z., (446) (2001) 233

Hopke, P.K., see Song, X.H., (446) (2001) 329

Hopkins, D., see Autrey, T., (434) (2001) 217

Hori, T., see Sugiyama, M., (431) (2001) 141

Horiuchi, T., see Kurita, R., (441) (2001) 165

Horn, I., see Diegor, W., (431) (2001) 195

Horneck, G., see Baumstark-Khan, C., (437) (2001) 23

Horneck, G., see Hellweg, C.E., (426) (2001) 175

Horneck, G., see Hellweg, C.E., (427) (2001) 191

Horneck, G., see Rettberg, P., (426) (2001) 167

Horvai, G., see Lanza, F., (435) (2001) 91 Howell, J.A., see Hendl, O., (427) (2001) 75

Hrdlicka, A., see Garcia-Valls, R., (439) (2001) 247

Hsieh, S.J., see Ho, W.H., (428) (2001) 111

Hu, B., see Liang, P., (440) (2001) 207

Hu, B., see Wu, Y., (439) (2001) 153

Hu, Q., see Zhang, L., (431) (2001) 287

Hu, Q., see Zhou, T., (441) (2001) 23

Hu, Q., Zhou, T., Zhang, L., Li, H. and Fang, Y., Separation and determination of three water-soluble vitamins in pharmaceutical preparations and food by micellar electrokinetic chromatography with amperometric electrochemical detection, (437) (2001) 123

Hu, Z., see Jia, R., (442) (2001) 249

Hu, Z., see Wang, G., (448) (2001) 165

Hu, Z., see Wang, H., (429) (2001) 207

Hu, Z., see Yan, A., (433) (2001) 145

Hua, L., see Tan, S.N., (450) (2001) 263

Huang, C.Z., Li, Y.F. and Feng, P., Determination of proteins with α,β,γ,δ-tetrakis(4-sulfophenyl)porphine by measuring the enhanced resonance light scattering at the air/liquid interface, (443) (2001) 73

Huang, C.Z., see Feng, P., (442) (2001) 89

Huang, C.Z., see Li, Y.F., (429) (2001) 311

Huang, H.J., see Easwaramoorthy, D., (439) (2001) 95

Huang, H.M., Wang, K.M., Xiao, D., Yang, R.H. and Yang, X.H., Selective optode for o-mononitrophenol based on fluorescence quenching of a conjugated polymer, (439) (2001) 55

Huang, M., Shen, D. and Yang, M., Effects of longitudinal wave on the resonance behavior of an electrode-separated piezoelectric sensor in liquids, (440) (2001) 109

Huang, X.H., see Li, Y.F., (429) (2001) 311

Huber, C., Klimant, I., Krause, C., Werner, T. and Wolfbeis, O.S., Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, (449) (2001) 81

Hubert, S., see Moulin, C., (441) (2001) 269

Huie, C.W., see Du, M., (443) (2001) 269

Hulth, S., see Strömberg, N., (443) (2001) 215

Hung, C.C. and Santschi, P.H., Spectrophotometric determination of total uronic acids in seawater using cation-exchange separation and pre-concentration by lyophilization, (427) (2001) 111

Hungerford, J.M., Hollingworth, T.A. and Wekell, M.M., Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, (438) (2001) 123

Hutchinson, W., see Gimpel, J., (448) (2001) 93 Hutter, H., see Constantinides, I., (440) (2001) 189 Huvenne, J.P., see Ruckebusch, C., (446) (2001) 257

I

Iba, T., see Seto, Y., (429) (2001) 19

Ibrahim, M.S., Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, (443) (2001) 63

Ibrahim, M.S., Al-Magboul, K.M. and Kamal, M.M., Voltammetric determination of the insecticide buprofezin in soil and water, (432) (2001) 21

Idziak, I., Benrebouh, A. and Deschamps, F.V., Simple NMR experiments as a means to predict the performance of an anti-17α-ethynylestradiol molecularly imprinted polymer, (435) (2001) 137

Igarashi, H., see Arakawa, H., (445) (2001) 197

Iijima, S., see Mizutani, F., (441) (2001) 175

Ijeri, V.S., Jaiswal, P.V. and Srivastava, A.K., Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, (439) (2001) 291

Ijeri, V.S., see Jaiswal, P.V., (441) (2001) 201

Ikebukuro, K., see Han, T.S., (431) (2001) 225

Ikebukuro, K., see Kim, Y.C., (432) (2001) 59

Ikebukuro, K., see Shimomura, M., (434) (2001) 223

Ikushima, S., see Takeda, K., (426) (2001) 105

Imai, K., see Hayashi, Y., (441) (2001) 243

Imai, K., see Okiyama, N., (429) (2001) 293

Imai, K., see Okiyama, N., (437) (2001) 165

Imato, T., see Jyonosono, K., (438) (2001) 83

Imazumi, N., see Jyonosono, K., (438) (2001) 83

Íñiguez, M., see Meléndez, M.E., (446) (2001) 159

Inoue, H., see Kaya, K., (450) (2001) 73

Ion, A.C., Bakker, E. and Pretsch, E., Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, (440) (2001) 71

Ipolyi, I., Stefánka, Z. and Fodor, P., Speciation of Se(IV) and the selenoamino acids by high-performance liquid chromatography direct hydride generation—atomic fluorescence spectrometry, (435) (2001) 367

Irtel, F., see Timur, S., (445) (2001) 191

Ishida, Y., see Hirata, S., (438) (2001) 205

Ishikawa, Y., see Amao, Y., (445) (2001) 177

Ishioka, T., Uchida, T. and Teramae, N., Analysis of the redox reaction of 9,10-phenanthrenequinone on a gold electrode surface by cyclic voltammetry and time-resolved Fourier transform surface-enhanced Raman scattering spectroscopy, (449) (2001) 253

Isildak, I., see Andac, M., (434) (2001) 143

Ito, K., see Hayashi, Y., (441) (2001) 243

Ito, S., see Wanatabe, S., (427) (2001) 211

Ito, T., Goto, C. and Noguchi, K., Lanthanoid ion-selective solvent polymeric membrane electrode based on 1-phenyl-3-methyl-4octadecanoyl-5-pyrazolone, (443) (2001) 41

Iturriaga, H., see Bertran, E., (431) (2001) 303

Iturriaga, H., see Blanco, M., (431) (2001) 115

Ivanova, A.V., see Brainina, K., (436) (2001) 129

Ivarsson, P., Kikkawa, Y., Winquist, F., Krantz-Rülcker, C., Höjer, N.E., Hayashi, K., Toko, K. and Lundström, I., Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor, (449) (2001) 59

Ivashchenko, T.S., see Strizhak, P.E., (428) (2001) 15

Ivaska, A., see Kass, M., (449) (2001) 189

Ivaska, A., see Kovács, B., (437) (2001) 67

Ivaska, A., see Lindfors, T., (437) (2001) 171

Iwata, T., see Aoyagi, S., (436) (2001) 103

.

Jacobsen, S., see Munck, L., (446) (2001) 171

Jacobsson, S.P., see Nord, L.I., (446) (2001) 199

Jacquinot, P., Hodgson, A.W. and Hauser, P.C., Amperometric detection of NO and NO₂ in the ppb range with solid-polymer electrolyte membrane supported noble metal electrodes, (443) (2001) 53

Jacquinot, P., Müller, B., Wehrli, B. and Hauser, P.C., Determination of methane and other small hydrocarbons with a platinum— Nafion electrode by stripping voltammetry, (432) (2001) 1

Jaffrezic-Renault, N., see Dzyadevych, S.V., (445) (2001) 47

Jain, A., see Mishra, S., (439) (2001) 115

Jain, P., see Arya, S.P., (427) (2001) 245

Jain, V.K., Handa, A., Sait, S.S., Shrivastav, P. and Agrawal, Y.K., Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, (429) (2001) 237

Jaiswal, P.V., Ijeri, V.S. and Srivastava, A.K., Voltammetric behavior of α-tocopherol and its determination using surfactant+ ethanol + water and surfactant + acetonitrile + water mixed solvent systems, (441) (2001) 201

Jaiswal, P.V., see Ijeri, V.S., (439) (2001) 291

Jakmunee, J. and Grudpan, K., Flow injection amperometry for the determination of iodate in iodized table salt, (438) (2001) 299

Jakobs, B.S., see Markus, A. Patrick J.A., (429) (2001) 287

Jakobsen, M.H., see Brunn, L., (436) (2001) 87

Jakusch, M., see Vogt, F., (431) (2001) 167

Jambunathan, S., see Waiz, S., (428) (2001) 163

Jan, T., see Zaijun, L., (445) (2001) 153

Jankowski, K., Jerzak, A., Sernicka-Poluchowicz, A. and Synoradzki, L., Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion, (440) (2001) 215

Jano, I., Hardcastle, J., Jano, L.A., Bates, K.R. and McCreary, H.E., General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, (428) (2001) 309

Jano, L.A., see Jano, I., (428) (2001) 309

Janowicz, K., see Kurzawa, J., (431) (2001) 149

Jansen, K., see Buschmann, H.-J., (437) (2001) 157

Jaworska, J., see Verdonck, F.A., (446) (2001) 429

Jeanne D'Arc, M., see Gupta, K.C., (437) (2001) 199

Jeanty, G., Ghommidh, C. and Marty, J.L., Automated detection of chlorpyrifos and its metabolites by a continuous flow systembased enzyme sensor, (436) (2001) 119

Jee, K.Y., see Lee, C.H., (428) (2001) 133

Jelínek, I., see Chvojka, T., (433) (2001) 13

Jenkins, A.L., see Ong, K.K., (444) (2001) 143

Jensen, J.L., see Ong, K.K., (444) (2001) 143

Jeong, J.M., see Nakamura, N., (439) (2001) 125

Jerzak, A., see Jankowski, K., (440) (2001) 215

Jia, R., Dong, L., Li, Q., Chen, X., Hu, Z. and Nagaosa, Y., Study of the interaction of protein and dibromomethyl–Arsenazo–Al(III) by Rayleigh light-scattering technique, (442) (2001) 249

Jiang, C., Wang, J. and He, F., Spectrofluorimetric determination of trace amounts of molybdenum in pig liver and mussels, (439) (2001) 307

Jiang, J., see Hibbert, D. Brynn, (443) (2001) 205

Jiang, S.J., see Lu, H.H., (429) (2001) 247

Jiang, W., see Lin, X., (431) (2001) 41

Jiang, Y.C., Zhang, Z.Q. and Zhang, J., Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron(III), (435) (2001) 351

Jiang, Z., see Liang, P., (440) (2001) 207

Jiang, Z., see Wu, Y., (439) (2001) 153

Jiao, K., see Sun, W., (434) (2001) 43

Jiaomai, P., see Zaijun, L., (445) (2001) 153

Jiménez, C., see Artigas, J., (426) (2001) 3

Jiménez-Carmona, M.M., see Fernández-Pérez, V., (433) (2001) 47

Jiménez-Lozano, E., see Barbosa, J., (437) (2001) 309

Jin, J., see Xu, F., (439) (2001) 239

Jin, J.Y., see Zhang, S., (427) (2001) 45

Jin, L., see Wang, X., (445) (2001) 169

Jin, L., see Xu, F., (439) (2001) 239

Jin, L., see Zhang, S., (427) (2001) 45

Jin, Q., see Guo, Z., (436) (2001) 41

Jin, W.J., Costa-Fernández, J.M. and Sanz-Medel, A., Room temperature phosphorescence pH optosensor based on energy transfer, (431) (2001) 1

Jin, Y., see Li, B., (432) (2001) 95

Jin-gou, X., see Xin-qi, Z., (448) (2001) 71

Jinno, K., see Salleh, S.H., (433) (2001) 207

Jo, K.D., see Dasgupta, P.K., (435) (2001) 289

Johansson, G., see Bjarnason, B., (426) (2001) 197

John, R., see Morris, K., (442) (2001) 129

John, R., see Zhang, S., (441) (2001) 95

Johnson, D.C., see Pineda, R., (449) (2001) 111

Johnson, J.C., Van Emon, J.M., Clarke, A.N. and Wamsley, B.N., Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction, (428) (2001) 191 Johnson, M.J., see Ramadan, Z., (446) (2001) 233

Jokela, P., see Nicholls, I.A., (435) (2001) 9

Jones, A. Daniel, see Shan, G., (444) (2001) 169

Jones, M.N., see Bryan, N.D., (437) (2001) 281

Jones, M.N., see Bryan, N.D., (437) (2001) 291

Jones, P., see Truscott, J.B., (433) (2001) 245

Jones, W., see Hendl, O., (427) (2001) 75

Jönsson, B.R., see Ramanathan, K., (427) (2001) 1

Jönsson, J.A., see Bjarnason, B., (426) (2001) 197

José Bengoechea Álvarez, M., Fernández Bobes, C., Teresa Fernández Abedul, M. and Costa-García, A., Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, (442) (2001) 55

Ju, H., see Chen, L., (437) (2001) 191

Ju, H., see Chen, L., (447) (2001) 41

Ju, H.F., see Lai, J.P., (442) (2001) 105

Jungar, C. and Mandenius, C.F., Neoglycoconjugates as affinity ligands in surface plasmon resonance analysis, (449) (2001)

Jyonosono, K., Imato, T., Imazumi, N., Nakanishi, M. and Yagi, J.i., Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, (438) (2001) 83

K

Kahng, S.H., see Choi, J.Y., (443) (2001) 241

Kajiya, K., see Asanuma, H., (435) (2001) 25

Kalivas, J.H., Basis sets for multivariate regression, (428) (2001) 31
Kalný, D., Albrecht-Gary, A.-M. and Havel, J., Highly sensitive method for palladium(II) determination as a porphyrinato complex by capillary zone electrophoresis, (439) (2001) 101

Kamal, M.M., see Ibrahim, M.S., (432) (2001) 21

Kamata, Y., see Wanatabe, S., (427) (2001) 211

Kamidate, T., see Tani, H., (429) (2001) 301

Kamogawa, M.Y., Nogueira, A.R.A., Miyazawa, M., Artigas, J. and Alonso, J., Determination of soil calcareous efficiency using flow system with pervaporative separation, (438) (2001) 273

Kaneko, H., see Taimatsu, H., (435) (2001) 247

Kaneko, T., see Wanatabe, S., (427) (2001) 211

Kane-Maguire, N.A., see Martin, S.E., (445) (2001) 21

Kang, T.Y., see Kim, S.B., (439) (2001) 47

Kansiz, M., Gapes, J. Richard, McNaughton, D., Lendl, B. and Schuster, K. Christian, Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, (438) (2001) 175

Kapua, A., see Yan, M., (435) (2001) 163

Kara, P., see Kerman, K., (450) (2001) 45

Karatani, H., see Okamura, K., (443) (2001) 143

Karayannis, M.I., see Konidari, C.N., (442) (2001) 231

Karayannis, M.I., see Paleologos, E.K., (436) (2001) 49

Karayannis, M.I., see Yao, D., (450) (2001) 63

Kargar-Razi, M., see Ganjali, M.R., (440) (2001) 81

Kargosha, K., Khanmohammadi, M. and Ghadiri, M., Fourier transform infrared spectrometric determination of thiourea in the presence of sulphur dioxide in aqueous solution, (437) (2001) 139 Kariuki, S., Morra, M.J., Umiker, K.J. and Cheng, I. Francis, Determination of total ionic polysulfides by differential pulse polarography, (442) (2001) 277

Karlberg, B., see Carlsson, K., (434) (2001) 149

Karlberg, B., see Moberg, L., (450) (2001) 143

Karlsson, J.G., Andersson, L.I. and Nicholls, I.A., Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, (435) (2001) 57

Karlsson, J.G., see Nicholls, I.A., (435) (2001) 9

Karube, I., see Gao, X.F., (443) (2001) 257

Karube, I., see Han, T.S., (431) (2001) 225

Karube, I., see Kim, Y.C., (432) (2001) 59

Karube, I., see Shimomura, M., (434) (2001) 223

Karunasagar, D. and Arunachalam, J., Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, (441) (2001) 291

Kashihara, Y., see Toyo'oka, T., (433) (2001) 1

Kashiwazaki, H., see Arakawa, H., (445) (2001) 197

Kasiura, K., see Zareh, M.M., (447) (2001) 55

Kass, M. and Ivaska, A., Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, (449) (2001) 189

Kato, M.J., see Ferreira, M.J., (447) (2001) 125

Katsu, T., see Xu, D., (443) (2001) 235

Kavenová, I., see Záruba, K., (437) (2001) 39

Kawakami Harrop Galvão, R., Fernanda Pimentel, M., Cesar Ugulino Araujo, M., Yoneyama, T. and Visani, V., Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry, (443) (2001) 107

Kawamura, S., see Shibukawa, M., (427) (2001) 293

Kawana, D., see Ukeda, H., (438) (2001) 137

Kawano, S., see Pravdova, V., (450) (2001) 131

Kawde, A.N., see Wang, J., (431) (2001) 219

Kaya, A., Ertuğrul, M., Doğan, O., Söğüt, O., Turgut, U. and Şimşek, O., Measurement of L subshell X-ray fluorescence cross-sections at 59.54 keV and L subshell fluorescence yields for elements in the atomic range $55 \le Z \le 81$, (441) (2001) 317

Kaya, K., Sano, T., Inoue, H. and Takagi, H., Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, (450) (2001) 73

Kayal, M., see Rathore, D.P.S., (434) (2001) 201

Kazemzadeh, A. and Ensafi, A.A., Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, (442) (2001) 319

Kelble, C., see Zhang, J.Z., (438) (2001) 49

Kenne, L., see Nord, L.I., (446) (2001) 199

Kennedy, I.M., see Matveeva, E.G., (444) (2001) 103

Kerman, K., Meric, B., Ozkan, D., Kara, P., Erdem, A. and Ozsoz, M., Electrochemical DNA biosensor for the determination of benzo[a]pyrene–DNA adducts, (450) (2001) 45

Khanina, R.M., see Brainina, K., (436) (2001) 129

Khanmohammadi, M., see Kargosha, K., (437) (2001) 139

Khots, M.S., see Yang, Q., (432) (2001) 125

Khotseng, L.E., see Crouch, A.M., (448) (2001) 231

Kido, Y., see Watanabe, H., (437) (2001) 31

Kidrič, J., see Košir, I.J., (429) (2001) 195

Kieser, B., Pauluth, D. and Gauglitz, G., Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, (434) (2001) 231

Kihara, S., see Takeishi, H., (431) (2001) 69

Kikkawa, Y., see Ivarsson, P., (449) (2001) 59

Kikuchi, Y., see Suzuki, H., (431) (2001) 249

Killard, A.J., Micheli, L., Grennan, K., Franek, M., Kolar, V., Moscone, D., Palchetti, I. and Smyth, M.R., Amperometric separation-free immunosensor for real-time environmental monitoring, (427) (2001) 173

Kim, H.J., see Lee, D.S., (429) (2001) 321

Kim, H.Y. and Lim, H.B., Determination of Si and Cu in Al target metal used in a semiconductor process by inductively coupled plasma-atomic emission spectrometry, (429) (2001) 145

Kim, I.S., Ritchie, L., Setford, S., Taylor, J., Allen, M., Wilson, G., Heywood, R., Pahlavanpour, B. and Saini, S., Quantitative immunoassay for determining polyaromatic hydrocarbons in electrical insulating oils, (450) (2001) 13

Kim, J.S., see Lee, C.H., (428) (2001) 133

Kim, K., see Lee, D.S., (429) (2001) 321

Kim, S.B., Kang, T.Y., Cho, H.C., Choi, M.H., Cha, G.S. and Nam, H., Determination of protamine using microtiter plate-format optodes, (439) (2001) 47

Kim, S.O., see Lee, D.S., (429) (2001) 321

Kim, W.H., see Lee, C.H., (428) (2001) 133

Kim, Y.C., Sasaki, S., Yano, K., Ikebukuro, K., Hashimoto, K. and Karube, I., Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, (432) (2001) 59

Kim, Y.C., see Han, T.S., (431) (2001) 225

Kimura, T., see Takeishi, H., (431) (2001) 69

King, R.D., see Alsberg, B.K., (446) (2001) 3

Kirchbaumer, N., see Wenzel, W.W., (436) (2001) 309

Kirgöz, U.A., see Wang, J., (434) (2001) 29

Kiso, Y., see Salleh, S.H., (433) (2001) 207

Kister, J., see Lamontagne, J., (444) (2001) 241

Kitatsuji, Y., see Takeishi, H., (431) (2001) 69

Kitayama, A., see Han, T.S., (431) (2001) 225 Kizu, R., see Hayakawa, K., (445) (2001) 205

Klaehn, J., see Markowitz, M.A., (435) (2001) 177

Klejdus, B., Vitamvásová-Štěrbová, D. and Kubáň, V., Identification of isoflavone conjugates in red clover (*Trifolium pratense*) by liquid chromatography–mass spectrometry after two-dimensional solid-phase extraction, (450) (2001) 81

Klimant, I., see Huber, C., (449) (2001) 81

Klimm, D., see Moritz, W., (437) (2001) 183

Klöter, G., see Castillo, M., (426) (2001) 265

Knapp, A.D., see Pineda, R., (449) (2001) 111

Knoll, M., see Eikermann, D., (436) (2001) 139

Knoll, M., see Ernst, H., (449) (2001) 129 Knoll, M., see Scheipers, A., (439) (2001) 29

Ko, L.E., see Chou, S.T., (429) (2001) 331

Kobatake, E., see Zhang, C., (442) (2001) 257

Kobayashi, T., Murawaki, Y., Reddy, P.S., Abe, M. and Fujii, N., Molecular imprinting of caffeine and its recognition assay by quartz-crystal microbalance, (435) (2001) 141 Koch, C., see Brunn, L., (436) (2001) 87

Kochana, J., see Michałowski, T., (442) (2001) 287

Kocjančič, M., see Košir, I.J., (429) (2001) 195

Koeberl, C., see Dai, X., (436) (2001) 79

Kohsraviani, M., see Blake, D.A., (444) (2001) 3

Kojło, A., see Michałowski, J., (438) (2001) 143

Kokot, S., see Ni, Y., (431) (2001) 101

Kokot, S., see Ni, Y., (439) (2001) 159

Kokusen, H., see Oshima, S., (441) (2001) 157

Kolar, J., Strlič, M. and Pihlar, B., New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, (431) (2001) 313

Kolář, V., see Fránek, M., (444) (2001) 131

Kolar, V., see Killard, A.J., (427) (2001) 173

Kolehmainen, M., see Tuovinen, K., (429) (2001) 257

Kolev, S.D., see Rupasinghe, T., (445) (2001) 229

Kollár, L., see Kunsági-Máté, S., (428) (2001) 301

Kollár, L., see Kunsági-Máté, S., (443) (2001) 227

Komiyama, M., see Asanuma, H., (435) (2001) 25

Koncki, R., see Lenarczuk, T., (447) (2001) 23

Kong, L., see Guo, M., (443) (2001) 91

Konidari, C.N., Stalikas, C.D. and Karayannis, M.I., Gas chromatographic method for the sensitive determination of 2,5-hexanedione using electron capture and mass-selective detection, (442) (2001) 231

Kontoyannis, C.G. and Douroumis, D., Release study of drugs from liposomic dispersions using differential pulse polarography, (449) (2001) 135

Kooistra, L., Wehrens, R., Leuven, R.S.E.W. and Buydens, L.M.C., Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, (446) (2001) 97

Korenaga, T., see Helaleh, M.I., (428) (2001) 227

Korgová, E., see Ferancová, A., (447) (2001) 47

Korn, M., see de Sousa, C.S., (444) (2001) 309

Korn, M.G., see dos Santos, H.C., (426) (2001) 79

Korpan, Y.I., see Dzyadevych, S.V., (445) (2001) 47

Körtvélyesi, T., Görgényi, M. and Héberger, K., Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, (428)

Kościelniak, P.V. and Kozak, M., Examination of interferences in flame atomic absorption spectrometry using a flow injection technique, (438) (2001) 187

Kościelniak, P.V., Univariate calibration techniques in flow injection analysis, (438) (2001) 323

Košir, I.J., Kocjančič, M., Ogrinc, N. and Kidrič, J., Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), (429) (2001) 195

Koupparis, M.A., see Solich, P., (438) (2001) 131

Kovács, B., Csóka, B., Nagy, G. and Ivaska, A., All-solid-state surfactant sensing electrode using conductive polymer as internal electric contact, (437) (2001) 67

Kozak, M., see Kościelniak, P.V., (438) (2001) 187

Koziel, K., see Wagner, K., (447) (2001) 11

Krachler, M. and Emons, H., Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, (429) (2001) 125

Krachler, M., Shotyk, W. and Emons, H., Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation-atomic absorption spectrometry, (432) (2001) 303

Kradtap, S., Wijayawardhana, C.A., Schlueter, K.T., Halsall, H.B. and Heineman, W.R., "Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, (444) (2001) 13

Král, V., see Krondak, M., (448) (2001) 19

Král, V., see Záruba, K., (437) (2001) 39

Krantz-Rülcker, C., see Ivarsson, P., (449) (2001) 59

Krantz-Rülcker, C., Stenberg, M., Winquist, F. and Lundström, I., Electronic tongues for environmental monitoring based on sensor arrays and pattern recognition: a review, (426) (2001) 217

Krarup-Hansen, A., see Rietz, B., (426) (2001) 119

Krasnova, A.I., Aguilar-Caballos, M.P. and Gómez-Hens, A., Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, (441) (2001) 249

Krause, C., see Huber, C., (449) (2001) 81

Krause, S., see Moritz, W., (437) (2001) 183

Krawczyk, W. and Parczewski, A., Application of chemometric methods in searching for illicit Leuckart amphetamine sources, (446) (2001) 107

Kream, N.A.A., see Saleh, M.B., (434) (2001) 247

Kreuzer, M.P., O'Sullivan, C.K., Pravda, M. and Guilbault, G.G., Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, (442) (2001) 45

Krondak, M., Shishkanova, T.V., Holakovsky, R., Volf, R., Stibor, I. and Král, V., Molecular recognition of amino acid esters in liquid polymeric membrane ion-selective electrodes, (448) (2001) 19

Krull, U.J., see Henke, L., (433) (2001) 31

Krznarić, D., Ciglenečki, I. and Ćosović, B., Voltammetric investigations of 2-dimethylarsinyl-ethanol sulphide in NaCl and seawater, (431) (2001) 269

Kubáň, P. and Flowers, H., On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, (437) (2001) 115

Kubáň, V., see Klejdus, B., (450) (2001) 81

Kubono, K., see Oshima, S., (441) (2001) 157

Kubota, L.T., see Calvo-Marzal, P., (441) (2001) 207

Kubota, L.T., see Sotomayor, M.D.P.T., (447) (2001) 33

Kujala, J., see Näykki, T., (439) (2001) 229

Kumar, A., Malhotra, Rajesh, B.D. and Grover, S.K., Erratum to "Co-immobilization of cholesterol oxidase and horseradish peroxidase in a sol-gel film" [Anal. Chim. Acta 414 (2000) 43–50], (427) (2001) 143

Kumar, M., see Rathore, D.P.S., (434) (2001) 201

Kunimoto, K., see Hirano, K., (443) (2001) 265

Kunsági-Máté, S., Bitter, I., Grün, A., Nagy, G. and Kollár, L., Cavity shaped host-guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene, (443) (2001) 227

10

Kunsági-Máté, S., Nagy, G. and Kollár, L., Host-guest interaction of calixarene molecules with neutral benzotrifluorides. Comparison of luminescence spectral data with results of model calculations relating to complex formation, (428) (2001) 301

Kuo, S.R., see Wang, J.L., (448) (2001) 187

Kupka, K. and Meloun, M., Data analysis in the chemical laboratory.
II. The end-point estimation in instrumental titrations by non-linear regression, (429) (2001) 171

Kurganov, B.I., Lobanov, A.V., Borisov, I.A. and Reshetilov, A.N., Criterion for Hill equation validity for description of biosensor calibration curves, (427) (2001) 11

Kurihara, K., Ohtsu, M., Yoshida, T., Abe, T., Hisamoto, H. and Suzuki, K., Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, (426) (2001) 11

Kurita, R., Tabei, H., Hayashi, K., Horiuchi, T., Torimitsu, K. and Niwa, O., Improvement in signal reliability when measuring Lglutamate released from cultured cells using multi-chennel microfabricated sensors, (441) (2001) 165

Kurosawa, S., see Aizawa, H., (437) (2001) 167

Kurzawa, J., Janowicz, K. and Suszka, A., Stopped-flow kinetic determination of thiocyanates and thiosulphates with the application of iodine-azide reaction, (431) (2001) 149

Kust, P.R., see Markowitz, M.A., (435) (2001) 177

Kutner, W., see Ferancová, A., (447) (2001) 47

Kuttatharmmakul, S., Massart, D.L., Coomans, D. and Smeyers-Verbeke, J., Comparison of methods for the estimation of statistical parameters of censored data, (441) (2001) 215

Kvalheim, O.M., see Shen, H., (446) (2001) 313

I

Labrinea, E.P., Thomaidis, N.S. and Georgiou, C.A., Direct olive oil anisidine value determination by flow injection, (448) (2001) 201

Labuda, J., see Ferancová, A., (447) (2001) 47

Lacour, S., Bollinger, J.C., Serpaud, B., Chantron, P. and Arcos, R., Removal of heavy metals in industrial wastewaters by ionexchanger grafted textiles, (428) (2001) 121

Lafosse, M., see Cahours, X., (441) (2001) 15

Lahuerta Zamora, L., see Fuster Mestre, Y., (438) (2001) 93

Lahuerta Zamora, L., see Sanfeliu Alonso, M.C., (437) (2001) 225

Lahuerta Zamora, L., see Sanfeliu Alonso, M.C., (438) (2001) 157

Lai, E.P., see Mohammed, I., (444) (2001) 97

Lai, J.P., Lu, X.Y., Lu, C.Y., Ju, H.F. and He, X.W., Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, (442) (2001) 105

Lai, R., see Briseno, A.L., (441) (2001) 123

Lam, J.W.H., see Willie, S.N., (447) (2001) 143

Lamontagne, J., Durrieu, F.V., Planche, J.P., Mouillet, V. and Kister, J., Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, (444) (2001) 241 Lanteri, S., see Forina, M., (446) (2001) 59

Lanza, F., Hall, A.J., Sellergren, B., Bereczki, A., Horvai, G., Bayoudh, S., Cormack, P.A.G. and Sherrington, D.C., Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, (435) (2001) 91

Lapa, R.A., see Almeida, C.M., (438) (2001) 291

Lapierre, A.V., Battaglini, F. and Raba, J., Rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Application to the determination of glucose in serum samples, (443) (2001) 17

Larrechi, M.S., see Macho, S., (445) (2001) 213

Lauren, D., see Petcu, M., (435) (2001) 49

Laureyns, J., see Batonneau, Y., (446) (2001) 23

Lavine, B.K., Brzozowski, D., Moores, A.J., Davidson, C.E. and Mayfield, H.T., Genetic algorithm for fuel spill identification, (437) (2001) 233

Law, P.T.R., see Tam, W.F.C., (427) (2001) 259

Lawrence, J.F., see Rajeb, S.B., (432) (2001) 193

Lawrence, H., see Ryan, D., (445) (2001) 67

Lawrence, N.S., see White, P.C., (447) (2001) 1

Leal, C., see Saurina, J., (432) (2001) 241

Leardi, R., see Yoshida, H., (446) (2001) 485

Leatzow, D.M., Van Wie, B.J., Weyrauch, B.N. and Tiffany, T.O., Design optimization and characterization of a small-scale centrifugal cell separator, (435) (2001) 299

Lee, C.H., Suh, M.Y., Choi, K.S., Kim, J.S., Song, B.C., Jee, K.Y. and Kim, W.H., Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, (428) (2001) 133

Lee, D.S., Lee, E.S., Kim, H.J., Kim, S.O. and Kim, K., Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, (429) (2001) 321

Lee, E.S., see Lee, D.S., (429) (2001) 321

Lee, F.S., see Bin, C., (447) (2001) 161

Lee, F.S.C., see Gong, Z., (450) (2001) 207

Lee, K.H., see Shimomura, M., (434) (2001) 223

Leeman, W.R., see Shan, G., (444) (2001) 169

Legin, A.V., see Mourzina, Y., (433) (2001) 103

Lei, J., see Wang, X., (449) (2001) 35

Lemaire, M., see Vigneau, O., (435) (2001) 75

Lemos, V.A. and Ferreira, S.L., On-line preconcentration system for lead determination in seafood samples by flame atomic absorption spectrometry using polyurethane foam loaded with 2-(2benzothiazolylazo)-2-p-cresol, (441) (2001) 281

Lemos, V.A., see Ferreira, S.L., (445) (2001) 145

Lemus Gallego, J.M. and Pérez Arroyo, J., Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, (437) (2001) 247

Lenarczuk, T., Wencel, D., Głąb, S.V. and Koncki, R., Prussian bluebased optical glucose biosensor in flow-injection analysis, (447) (2001) 23

Lendl, B., see Kansiz, M., (438) (2001) 175

León-González, M.E., Pérez-Arribas, L.V., Polo Díez, L.M., Panis, C. and San Andrés, M.P., Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, (445) (2001) 29

Leuven, R.S.E.W., see Kooistra, L., (446) (2001) 97

Li, B., Zhang, Z. and Jin, Y., Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, (432) (2001) 95

Li, B., Zhang, Z. and Wu, M., Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant, (432) (2001) 311

Li, B., Zhang, Z. and Zhao, L., Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, (445) (2001) 161

Li, D.H., see Chen, X.L., (434) (2001) 51

Li, D.H., see Yang, H.H., (435) (2001) 265

Li, G., see Lin, X., (431) (2001) 41

Li, H., see Hu, Q., (437) (2001) 123

Li, H., see Zhang, S., (444) (2001) 287

Li, J. and Dasgupta, P.K., Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector, (442) (2001) 63

Li, J.N., Zhang, J., Deng, P.H. and Peng, Y.Q., Adsorption voltammetry of the mix-polynuclear complex of zirconium-calciumalizarin red S at a carbon paste electrode, (431) (2001) 81

Li, K., see Zhang, T., (450) (2001) 53

Li, K.A., see Chen, W., (432) (2001) 277

Li, K.A., see Zhang, S.Z., (431) (2001) 133

Li, L.D., Wei, Y. and Tong, A.J., Study on cation recognition properties of 4-methene-6,7-dimethoxycoumarin-monoaza-18crown-6, (427) (2001) 29

Li, M., see Li, Y.F., (429) (2001) 311

Li, N.B., see Luo, H.Q., (449) (2001) 261

Li, Q., see Jia, R., (442) (2001) 249

Li, Q., see Wang, H., (429) (2001) 207

Li, Q., see Yu, Y., (436) (2001) 147 Li, Q.X., see Campbell, S., (434) (2001) 283

Li, S., see Wang, J., (441) (2001) 183

Li, S.F., see Su, X., (429) (2001) 27

Li, X., see Gong, B., (427) (2001) 287

Li, Y. and Xue, H., Determination of Cr(III) and Cr(VI) species in natural waters by catalytic cathodic stripping voltammetry, (448) (2001) 121

Li, Y., see Du, J., (448) (2001) 79

Li, Y.F., Huang, C.Z., Huang, X.H. and Li, M., Determination of DNA by its enhancement effect of resonance light scattering by azur A, (429) (2001) 311

Li, Y.F., see Feng, P., (442) (2001) 89

Li, Y.F., see Huang, C.Z., (443) (2001) 73

Li, Y.S., see Gao, X.F., (443) (2001) 257

Li, Z.Z., see Zhang, X.B., (439) (2001) 65

Liang, P., Qin, Y., Hu, B., Peng, T. and Jiang, Z., Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water, (440) (2001) 207

Liang, S., see Ma, Q., (439) (2001) 73

Liang, S.C., see Liu, X., (441) (2001) 45

Liang, S.C., see Su, M.H., (426) (2001) 51

Liang, S.X., see Chen, B.M., (444) (2001) 223

Liang, Y. and Gan, F., Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, (446) (2001) 115

Liang, Y.Z., see Gong, F., (450) (2001) 99

Liang, Y.Z., see Xu, C.J., (428) (2001) 235

Liawruangrath, B., see Liawruangrath, S., (448) (2001) 37

Liawruangrath, S., Oungpipat, W., Watanesk, S., Liawruangrath, B., Dongduen, C. and Purachat, P., Asparagus-based amperometric sensor for fluoride determination, (448) (2001) 37

Lillquist, A., see Waguespack, B.L., (441) (2001) 231

Lim, H.B., see Kim, H.Y., (429) (2001) 145

Lim, T.K., see Nakamura, N., (439) (2001) 125

Lima, J.L., see Almeida, C.M., (438) (2001) 291

Lima, J.L.F.C., see Garrido, E.M., (434) (2001) 35

Lima, J.L.F.C., see Rodrigues, C., (428) (2001) 103

Limberger, R., see Ferreira, M.J., (447) (2001) 125

Lin, J.M., see Hanaoka, S., (426) (2001) 57

Lin, T.M., see Cheng, T.J., (432) (2001) 101

Lin, W.Y., see Yeh, H.C., (442) (2001) 71

Lin, X., Li, G., Jiang, W., Chu, Y., Wu, P. and Yafeng, G., Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β-cyclodextrin, phosphorous-pentoxide and L-glutamic acid as chiral selector, (431) (2001) 41

Lin, X., see Nie, L., (450) (2001) 185

Lin, X.M., see Umezawa, K., (426) (2001) 19

Lindfors, T. and Ivaska, A., Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, (437) (2001) 171

Lindholm-Sethson, B., Geladi, P. and Nelson, A., Interaction with a phospholipid monolayer on a mercury electrode. Multivariate analysis of impedance data, (446) (2001) 121

Ling, L.S., He, Z.K., Song, G.W., Zeng, Y.E., Wang, C., Bai, C.L., Chen, X.D. and Shen, P., High sensitive determination of DNA by use of molecular "light switch" complex of Ru(phen)₂(dppx)²⁺, (436) (2001) 207

Linge, K.L. and Oldham, C.E., Interference from arsenate when determining phosphate by the malachite green spectrophotometric method, (450) (2001) 247

Lingeman, H., see Stroink, T., (444) (2001) 193

Lippitz, A., see Moritz, W., (437) (2001) 183

Lista, A.G., Arce, L., Ríos, A. and Valcárcel, M., Analysis of solid samples by capillary electrophoresis using a gas extraction sampling device in a flow system, (438) (2001) 315

Litani-Barzilai, I., Fisher, M., Gridin, V.V. and Schechter, I., Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, (439) (2001) 1

Liu, B.F., Liu, L.B., Chen, H. and Cheng, J.K., Analysis of metal complexes by capillary electrophoresis. Effect of organic additives on separation of highly hydrophobic complexes, (434) (2001) 309

Liu, E.B., Liu, Y.M. and Cheng, J.K., Separation of niobium(V) and tantalum(V) by capillary electrophoresis with chemiluminescence detection, (443) (2001) 101

Liu, F., see Chen, W., (432) (2001) 277

Liu, F., see Zhang, T., (450) (2001) 53

Liu, L.B., see Liu, B.F., (434) (2001) 309

Liu, L.K., see Su, C.C., (432) (2001) 261

Liu, M., see Luo, C., (428) (2001) 143

Liu, N., see Fang, G., (445) (2001) 245

Liu, Q., see Luo, H.Q., (449) (2001) 261

Liu, R., Yang, J., Wu, X. and Sun, C., Interaction of cetyltrimethylammonium bromide with nucleic acids and determination of nucleic acids at nanogram levels based on the measurement of light scattering, (441) (2001) 303

Liu, R., Yang, J., Wu, X. and Wu, T., Resonance double frequency light scattering of the morin-nucleic acid-cetyltrimethylammonium bromide system and its analytical application, (448) (2001) 85

Liu, S., see Zhang, Z., (436) (2001) 281

Liu, S.P., see Luo, H.Q., (449) (2001) 261

Liu, T.Z., see Afshari, J.T., (443) (2001) 165

Liu, X., Wang, H., Liang, S.C. and Zhang, H.S., Determination of primary and secondary aliphatic amines by N-hydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate and reversed-phase highperformance liquid chromatography, (441) (2001) 45

Liu, Y.M., see Liu, E.B., (443) (2001) 101

Liu, Y.M., see Zhao, S., (426) (2001) 65

Liu, Z., see Chen, Z.P., (444) (2001) 295

Liu, Z.F., see Luo, H.Q., (449) (2001) 261

Livache, T., see Dupont-Filliard, A., (449) (2001) 45

Livens, F.R., see Bryan, N.D., (437) (2001) 281

Livens, F.R., see Bryan, N.D., (437) (2001) 291

Llauradó, M., see Mellado, J., (443) (2001) 81

Llauradó, M., Torres, J.M., Tent, J., Sahuquillo, A., Muntau, H. and Rauret, G., Preparation of a soil reference material for the determination of radionuclides, (445) (2001) 99

Llobat, M., see Maurí, A.R., (426) (2001) 135

Lobanov, A.V., see Kurganov, B.I., (427) (2001) 11

Łobiński, R., see McSheehy, S., (440) (2001) 3

Lombi, E., see Wenzel, W.W., (436) (2001) 309

Long, W.F. and Burns, D.H., Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, (434) (2001) 113

Longerich, H., see Diegor, W., (431) (2001) 195

López, F.J., Pitarch, E., Egea, S., Beltran, J. and Hernández, F., Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, (433) (2001) 217

López, G.D., see Fernández-Alba, A.R., (426) (2001) 289

López, P.F., see Pulgarín, J.A.M., (449) (2001) 179

López, R., Fiol, S., Antelo, J.M. and Arce, F., Effect of fulvic acid concentration on modeling electrostatic and heterogeneity effects in proton binding reactions, (434) (2001) 105

López, W., see Petit De Peña, Y., (438) (2001) 259

López-Carrasquero, see Petit De Peña, Y., (438) (2001) 259

López-Cueto, G., Ostra, M. and Ubide, C., New way of application of the bromate-bromide mixture in kinetic analysis, (445) (2001) 117

López-Gonzálvez, A., see Marín, A., (442) (2001) 305

López-Grío, S.J., Vivó-Truyols, G., Torres-Lapasió, J.R. and García-Alvarez-Coque, M.C., Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, (433) (2001) 187 López-López, T., Gil-Garcia, M.D., Martínez-Vidal, J.L. and Martínez-Galera, M., Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, (447) (2001) 101

López-Mahía, P., see Moreda-Piñeiro, J., (431) (2001) 157

Lovillo, J., see Sánchez, F. García, (439) (2001) 131

Lowe, R.D., see Nakamura, O., (427) (2001) 63

Lowery, J., see Hendl, O., (427) (2001) 75

Lu, C.Y., see Lai, J.P., (442) (2001) 105

Lu, H.H. and Jiang, S.J., Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductively-coupled plasma mass spectrometry, (429) (2001) 247

Lu, J., see Du, J., (448) (2001) 79

Lu, J., see Wang, J., (434) (2001) 29

Lu, M., see Wang, J., (428) (2001) 173

Lu, Q., see Collins, G.E., (436) (2001) 181

Lu, X.Y., see Lai, J.P., (442) (2001) 105

Lubenova, S., see Yordanov, N.D., (437) (2001) 131

Lundström, I., see Ivarsson, P., (449) (2001) 59

Lundström, I., see Krantz-Rülcker, C., (426) (2001) 217

Luo, C., Liu, M., Mo, Y., Qu, J. and Feng, Y., Thickness-shear mode acoustic sensor for atrazine using molecularly imprinted polymer as recognition element, (428) (2001) 143

Luo, H.Q., Liu, S.P., Liu, Z.F., Liu, Q. and Li, N.B., Resonance Rayleigh scattering spectra for studying the interaction of heparin with some basic phenothiazine dyes and their analytical applications, (449) (2001) 261

Luo, K., see Yang, R.H., (432) (2001) 135

Luque de Castro, M.D., see Amador-Hernández, J., (435) (2001)

Luque de Castro, M.D., see Amador-Hernández, J., (448) (2001) 61

Luque de Castro, M.D., see Delgado Reyes, F., (436) (2001) 109

Luque de Castro, M.D., see Delgado-Reyes, F., (434) (2001) 95

Luque de Castro, M.D., see Fernández-Pérez, V., (433) (2001) 47

Luque de Castro, M.D., see Galbán, J., (434) (2001) 81 Luque de Castro, M.D., see Mataix, E., (428) (2001) 7

Luque de Castro, M.D., see Vallejo, B., (436) (2001) 301

Lüth, H., see Mourzina, Y., (433) (2001) 103

Luthe, G., Scharp, J., Brinkman, U.A.Th. and Gooijer, C., Monofluorinated polycyclic aromatic hydrocarbons in Shpol'skii spectroscopy, (429) (2001) 49

Lutman, A., see Barbieri, P., (440) (2001) 161

M

Ma, H., see Ma, Q., (439) (2001) 73

Ma, H.M., see Su, M.H., (426) (2001) 51

Ma, Q., Ma, H., Su, M., Wang, Z., Nie, L. and Liang, S., Determination of nickel by a new chromogenic azocalix[4]arene, (439) (2001) 73

Ma, Q.L., see Su, M.H., (426) (2001) 51

Ma, S.S., see Wang, J.L., (448) (2001) 187

Macho, S., Rius, A., Callao, M.P. and Larrechi, M.S., Monitoring ethylene content in heterophasic copolymers by near-infrared spectroscopy. Standardisation of the calibration model, (445) (2001) 213

Macka, M., see Vachirapatama, N., (434) (2001) 301

Macka, M., see Yokoyama, T., (442) (2001) 221

Madej, A., see Michałowski, T., (442) (2001) 287

Madrakian, T., see Afkhami, A., (437) (2001) 17

Madsen, S.J., see Rogers, K.R., (444) (2001) 51

Maeda, M., see Arakawa, H., (445) (2001) 197

Maeda, M., see Hayashi, Y., (441) (2001) 243 Maeder, M., see de Juan, A., (442) (2001) 337

Maesum, S., see Safavi, A., (442) (2001) 33

Magalhães, J.M., see Esteves da Silva, J.C., (450) (2001) 175

Magearu, V., see Avramescu, A., (433) (2001) 81

Magearu, V., see Avramescu, A., (443) (2001) 283

Maggie Connatser, R., see Martin, S.E., (445) (2001) 21

Magi, E., see Pesavento, M., (449) (2001) 23

Mahajan, M., see Arya, S.P., (427) (2001) 245

Mahmoud, M.E. and Al Saadi, M.S., Selective solid phase extraction and preconcentration of iron(III) based on silica gel-chemically immobilized purpurogallin, (450) (2001) 239

Mahmoud, W.H., Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, (436) (2001) 100

Maj-Zurawska, M., see Malon, A., (448) (2001) 251

Makote, R.D. and Dai, S., Matrix-induced modification of imprinting effect for Cu²⁺ adsorption in hybrid silica matrices, (435) (2001) 169

Makower, A., see Streffer, K., (427) (2001) 201

Malavé, A., see Carrero, P., (438) (2001) 195

Malhotra, Rajesh, B.D., see Kumar, A., (427) (2001) 143

Malinowska, E., Niedziółka, J. and Meyerhoff, M.E., Potentiometric and spectroscopic characterization of anion selective electrodes based on metal(III) porphyrin ionophores in polyurethane membranes, (432) (2001) 67

Malinowska, E., see Zareh, M.M., (447) (2001) 55

Mallat, E., Barzen, C., Abuknesha, R., Gauglitz, G. and Barceló, D., Part per trillion level determination of isoproturon in certified and estuarine water samples with a direct optical immunosensor, (426) (2001) 209

Mallat, E., Barzen, C., Abuknesha, R., Gauglitz, G. and Barceló, D., Fast determination of paraquat residues in water by an optical immunosensor and validation using capillary electrophoresisultraviolet detection, (427) (2001) 165

Malon, A. and Maj-Zurawska, M., Determination of ionized magnesium in erythrocytes using a potentiometric analyzer, (448) (2001) 251

Malovaná, S., García Montelongo, F.J., Pérez, J.P. and Rodríguez-Delgado, M.A., Optimisation of sample preparation for the determination of trans-resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, (428) (2001) 245

Mandenius, C.F., see Jungar, C., (449) (2001) 51

Mandò, P.A., see Andalò, C., (429) (2001) 279

Mangas Alonso, J., see Blanco Gomis, D., (436) (2001) 173

Mansfeldt, T. and Biernath, H., Method comparison for the determination of total cyanide in deposited blast furnace sludge, (435) (2001) 377

Mantoura, R. Fauzi C., see Achterberg, E.P., (442) (2001) 1

Marchais, S., Vermeulen, E.S., Semple, G., Sundell, S. and Wikström, H.V., Ion-pair formation of hydroquinine by chromatography, (426) (2001) 85

Marchand-Geneste, N., see Alsberg, B.K., (446) (2001) 3

Marco, M.P., see Nistor, C., (426) (2001) 185

Marei, S.A., see Hassan, S.S., (427) (2001) 21

Marina, M.A. and Blanco López, M.C., Determination of phosphorus in raw materials for ceramics: comparison between X-ray fluorescence spectrometry and inductively coupled plasma-atomic emission spectrometry, (432) (2001) 157

Marina, M.L., see Martín-Biosca, Y., (443) (2001) 191

Maris, P., see Gaudin, V., (436) (2001) 191

Markelov, M. and Bershevits, O.A., Methodologies of quantitative headspace analysis using vapor phase sweeping, (432) (2001) 213

Markowitz, M.A., Kust, P.R., Klaehn, J., Deng, G. and Gaber, B.P., Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, (435) (2001) 177

Markus, A. Patrick J.A., Swinkels, D.W., Jakobs, B.S., Wevers, R.A., Trijbels, J.M. Frans and Willems, H.L., New technique for diagnosis and monitoring of alcaptonuria: quantification of homogentisic acid in urine with mid-infrared spectrometry, (429) (2001) 287

Marín, A., López-Gonzálvez, A. and Barbas, C., Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, (442) (2001) 305

Maroto, A., Boqué, R., Riu, J. and Rius, F. Xavier, Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays, (440) (2001) 171

Maroto, A., Boqué, R., Riu, J. and Xavier Rius, F., Estimation of measurement uncertainty by using regression techniques and spiked samples, (446) (2001) 133

Marques, P.B.O., see Nunes, G.S., (434) (2001) 1

Marrazza, G., see Chiti, G., (427) (2001) 155

Martelet, C., see Dzyadevych, S.V., (445) (2001) 47

Martell, A.E., see Perutka, J., (435) (2001) 385

Martelli, P.B., see Rocha, F.R., (438) (2001) 11

Martin, S.E., Maggie Connatser, R., Kane-Maguire, N.A. and Wheeler, J.F., Capillary electrophoresis with laser-induced fluorescence detection for chiral analysis and DNA binding studies of ruthenium(II) Tris-diimine complexes, (445) (2001) 21

Martín, Y.G., Oliveros, M.C.C., Pavón, J.L.P., Pinto, C.G. and Cordero, B.M., Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, (449) (2001) 69

Martino, F.A.R., Sánchez, M.L.F. and Sanz-Medel, A., The potential of double focusing-ICP-MS for studying elemental distribution patterns in whole milk, skimmed milk and milk whey of different milks, (442) (2001) 191

Martins, A.F., see Paniz, J.N.G., (445) (2001) 139

Martín, J., see Edreira, M.C., (434) (2001) 331

Martín, J., see Pérez-Ruiz, T., (442) (2001) 147

Martín, J., see Pérez-Ruiz, T., (447) (2001) 229

Martín-Biosca, Y., Escuder-Gilabert, L., Marina, M.L., Sagrado, S., Villanueva-Camañas, R.M. and Medina-Hernández, M.J., Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography, (443) (2001) 191

Martín-Biosca, Y., see Escuder-Gilabert, L., (448) (2001) 173 Martínez Calatayud, J., see Catalá Icardo, M., (438) (2001) 281

Martínez Calatayud, J., see Catalá Icardo, M., (443) (2001) 153

Martínez Calatayud, J., see Fuster Mestre, Y., (438) (2001) 93

Martínez Calatayud, J., see Sanfeliu Alonso, M.C., (437) (2001) 225

Martínez Calatayud, J., see Sanfeliu Alonso, M.C., (438) (2001) 157 Martínez Galera, M., see Garrido Frenich, A., (449) (2001) 143

Martínez Vidal, J.L., see Garrido Frenich, A., (449) (2001) 143

Martínez, A., Riu, J. and Xavier Rius, F., Multiple analytical method comparison using maximum livelihood principal component analysis and linear regression with errors in both axes, (446) (2001) 147

Martínez, M., see de Juan, A., (442) (2001) 337

Martínez-Barrachina, S., del Valle, M., Matia, L., Prats, R. and Alonso, J., Potentiometric flow injection system for the determination of polyethoxylate nonionic surfactants using tubular ion-selective electrodes, (438) (2001) 305

Martínez-Galera, M., see López-López, T., (447) (2001) 101 Martínez-Lozano, C., see Pérez-Ruiz, T., (442) (2001) 147

Martínez-Lozano, C., see Pérez-Ruiz, T., (447) (2001) 229

Martínez-Vidal, J.L., see López-López, T., (447) (2001) 101

Marty, J.L., see Avramescu, A., (433) (2001) 81

Marty, J.L., see Avramescu, A., (443) (2001) 283

Marty, J.L., see Jeanty, G., (436) (2001) 119

Marty, J.L., see Montesinos, T., (431) (2001) 231

Marty, J.L., see Nunes, G.S., (434) (2001) 1

Maruo, M., see Okamura, K., (443) (2001) 143

Mascini, M., see Chiti, G., (427) (2001) 155

Mascini, M., see Pérez, F., (427) (2001) 149

Masini, J.C., see Galhardo, C.X., (438) (2001) 39

Masini, J.C., see Rigobello-Masini, M., (448) (2001) 239

Maspoch, S., see Bertran, E., (431) (2001) 303

Maspoch, S., see Blanco, M., (431) (2001) 115

Maspoch, S., see Blanco, M., (434) (2001) 133

Massart, D.L., see Estienne, F., (450) (2001) 123

Massart, D.L., see Guo, Q., (446) (2001) 85

Massart, D.L., see Kuttatharmmakul, S., (441) (2001) 215

Massart, D.L., see Pravdova, V., (450) (2001) 131

Massart, D.L., see Vannecke, C., (446) (2001) 413

Masson, M., see Esbelin, E., (433) (2001) 299

Masson, M., see Esbelin, E., (442) (2001) 171

Mastihuba, V., see Tkáč, J., (439) (2001) 39

Masulli, F., see Pardo, M., (446) (2001) 223

Mataix, E. and Luque de Castro, M.D., Determination of L-(-)malic acid and L-(+)-lactic acid in wine by a flow injectiondialysis-enzymic derivatisation approach, (428) (2001) 7

Matějka, P., see Záruba, K., (437) (2001) 39

Mateo, J.V. García, see Pons, O. Rubio, (438) (2001) 149

Matern, K., see Blum, P., (432) (2001) 269

Matia, L., see Martínez-Barrachina, S., (438) (2001) 305

Matos, R.C., Pedrotti, J.J. and Angnes, L., Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, (441) (2001) 73

Matsuda, A., see Tani, H., (429) (2001) 301

Matsuda, R., see Hayashi, Y., (441) (2001) 243

Matsumoto, K., see Wang, G., (448) (2001) 165

Matsumoto, Y., see Hayakawa, K., (445) (2001) 205

Matsunaga, T., see Nakamura, N., (439) (2001) 125

Matthaiou, K., see Andredakis, G.E., (439) (2001) 273 Matveeva, E.G., Shan, G., Kennedy, I.M., Gee, S.J., Stoutamire,

D.W. and Hammock, B.D., Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, (444) (2001) 103

Mauchien, P., see Fichet, P., (429) (2001) 269

Maurí, A.R., Llobat, M. and Adriá, D., Detection and correction of interferences in spectroscopy techniques, (426) (2001) 135

Mayfield, H.T., see Lavine, B.K., (437) (2001) 233

Mazúr, M., Valko, M. and Morris, H., Influence of the movement of "over full-length cavity" cylindrical samples along the x-axis of a double TE₁₀₄ and a single TE₁₀₂ rectangular cavity on the electron paramagnetic resonance. An unusual effect analysis, (443) (2001) 127

McCreary, H.E., see Jano, I., (428) (2001) 309

McCreedy, T., Rapid prototyping of glass and PDMS microstructures for micro total analytical systems and micro chemical reactors by microfabrication in the general laboratory, (427) (2001)39

McGuffin, V.L., see Ngowe, C.O., (427) (2001) 137

McGuigan, C., see Allender, C.J., (435) (2001) 107

McNaughton, D., see Kansiz, M., (438) (2001) 175

McNeil, B., see Vaidyanathan, S., (428) (2001) 41

McSheehy, S., Pohl, P.V., łobiński, R. and Szpunar, J., Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, (440) (2001)

Mecklenburg, M., see Danielsson, B., (426) (2001) 227

Medina-Hernández, M.J., see Escuder-Gilabert, L., (448) (2001)

Medina-Hernández, M.J., see Martín-Biosca, Y., (443) (2001) 191

Meguro, Y., see Takeishi, H., (431) (2001) 69 Mei, Y., see Zheng, X., (440) (2001) 143

Meijer, D., see Van Es, R.M, (429) (2001) 37

Meléndez, M.E., Sánchez, M.S., Íñiguez, M., Sarabia, L.A. and Ortiz, M.C., Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', (446) (2001) 159

Melios, C.B., see Pezza, L., (433) (2001) 281

Mellado, J., Llauradó, M. and Rauret, G., Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, (443) (2001) 81

Mello, C., see Pereira-Filho, E.R., (433) (2001) 111

Melnikov, G., Shtykov, S. and Goryacheva, I., Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, (439) (2001) 81

Meloun, M. and Militký, J., Detection of single influential points in OLS regression model building, (439) (2001) 169

Meloun, M., see Kupka, K., (429) (2001) 171

Melssen, W.J., see de Groot, P.J., (446) (2001) 71

Melssen, W.J., see Thissen, U., (446) (2001) 371

Melssen, W.J., see Witjes, H., (432) (2001) 113

Menegário, A.A., see Packer, A.P., (438) (2001) 267

Meng, D.Y., see Xie, M.J., (428) (2001) 255

Mentasti, E., see Conca, R., (439) (2001) 107

Mentasti, E., see Sarzanini, C., (435) (2001) 343

Menzel, C.M., see Zimmermann, S., (439) (2001) 203

Mercier, F., Moulin, V., Barré, N., Casanova, F. and Toulhoat, P., Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, (427) (2001) 101

Meric, B., see Kerman, K., (450) (2001) 45

Merkoçi, A., see Albareda-Sirvent, M., (442) (2001) 35

Merlin, J.C., see Batonneau, Y., (446) (2001) 23

Messerschmidt, J., see Zimmermann, S., (439) (2001) 203

Meusel, M., see Zhi, Z.-L., (442) (2001) 207

Meyer, U.J., see Zhi, Z.-L., (442) (2001) 207

Meyerhoff, M.E., see Dürüst, N., (432) (2001) 253

Meyerhoff, M.E., see Malinowska, E., (432) (2001) 67

Miao, Y. and Tan, S.N., Amperometric hydrogen peroxide biosensor with silica sol-gel/chitosan film as immobilization matrix, (437) (2001) 87

Miao, Z.-F., see Armstrong, S., (444) (2001) 79

Michalowski, J., Hałaburda, P. and Kojło, A., Determination of humic acid in natural waters by flow injection analysis with chemiluminescence detection, (438) (2001) 143

Michałowski, T., Baterowicz, A., Madej, A. and Kochana, J., Extended Gran method and its applicability for simultaneous determination of Fe(II) and Fe(III), (442) (2001) 287

Micheli, L., see Killard, A.J., (427) (2001) 173

Mikedi, K., see Statheropoulos, M., (446) (2001) 353

Mikkonen, A., see Näykki, T., (439) (2001) 229

Milani, M.R. and Dasgupta, P.K., Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides, (431) (2001) 169

Militký, J., see Meloun, M., (439) (2001) 169

Millero, F.J., see Zhang, J.Z., (438) (2001) 49

Millet, J., see Guillaume, Y.C., (447) (2001) 237

Minkiewicz, P., see Dziuba, J., (449) (2001) 243

Miratsu, M., see Hasegawa, Y., (428) (2001) 149

Miró, M., Cladera, A., Estela, J.M. and Cerdà, V., Dual wetting-film multi-syringe flow injection analysis extraction. Application to the simultaneous determination of nitrophenols, (438) (2001) 103

Miró, M., Frenzel, W., Cerdà, V. and Estela, J.M., Determination of ultratraces of nitrite by solid-phase preconcentration using a novel flow-through spectrophotometric optrode, (437) (2001) 55

Mirón-García, G., see Capitán-Vallvey, L.F., (433) (2001) 155

Mirsky, V.M., see Panasyuk-Delaney, T., (435) (2001) 157

Mishra, S., Gosain, S., Jain, A. and Verma, K.K., Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatography-mass spectrometry, (439) (2001) 115

Mitchem, L., see Nakamura, O., (427) (2001) 63

Miyake, J., see Aizawa, H., (437) (2001) 167

Miyasaka, T., see Aoyagi, S., (436) (2001) 103

Miyazawa, M., see Kamogawa, M.Y., (438) (2001) 273

Mizaikoff, B., see Vogt, F., (431) (2001) 167

Mizutani, F., Sato, Y., Hirata, Y. and Iijima, S., Interference-free, amperometric measurement of urea in biological samples using an electrode coated with tri-enzyme/polydimethylsiloxanebilayer membrane, (441) (2001) 175 Møller, B., see Munck, L., (446) (2001) 171

Mo, J., see Zhang, Y., (437) (2001) 151

Mo, J.W., see Wang, J., (441) (2001) 183

Mo, Y., see Luo, C., (428) (2001) 143

Moberg, L. and Karlberg, B., Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, (450) (2001) 143

Moghimi, A., see Ganjali, M.R., (440) (2001) 81

Moghimi, A., see Shamsipur, M., (434) (2001) 23

Mohammed, I., Mullett, W.M., Lai, E.P. and Yeung, J.M., Is biosensor a viable method for food allergen detection?, (444) (2001) 97

Mohr, G.J., see Blum, P., (432) (2001) 269

Molina, A.A., see Pulgarín, J.A.M., (449) (2001) 179

Molinero-Morales, B., see Vilchez, J.L., (439) (2001) 299

Mondal, B.C., Das, D. and Das, A.K., Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, (450) (2001) 223

Monferrer-Pons, L.V., see Capella-Peiró, E., (427) (2001) 93

Monteiro, M.I.C., Avila, A.K. and Neumann, R., Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, (428) (2001) 265

Montenegro, M.C.V.B., see Oliveira, M.I.P., (448) (2001) 207

Montenegro, M.C.V.B., see Pimenta, A.M., (438) (2001) 31

Montes Bayón, M., see Ferrarello, C.N., (429) (2001) 227

Montesinos, T., Pérez-Munguia, S., Valdez, F. and Marty, J.L., Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents, (431) (2001) 231

Montesinos, T., see Nunes, G.S., (434) (2001) 1

Montgomery, D.D., see Dill, K., (444) (2001) 69

Montoliu, I., see Bertran, E., (431) (2001) 303

Montoliu, I., see Blanco, M., (434) (2001) 125

Moores, A.J., see Lavine, B.K., (437) (2001) 233 Moraes, F.C., see Teixeira, M.F., (443) (2001) 249

Moraes, L.A.B., see Zampronio, C.G., (446) (2001) 495

Moreda-Piñeiro, A., see Bermejo-Barrera, P., (439) (2001) 211

Moreda-Piñeiro, J., Moscoso-Pérez, C., López-Mahía, P., Muniate-gui-Lorenzo, S., Fernández-Fernández, E. and Prada-Rodríguez, D., Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, (431) (2001) 157

Moreno Cordero, B., see González Martín, Y., (449) (2001) 69

Moreno, V., see Vives, M., (446) (2001) 439

Moreno-Cid, A., see Yebra, M.C., (448) (2001) 157

Moretto, L.M., see Ugo, P., (434) (2001) 291

Mori, G., see Daniele, S., (432) (2001) 27

Morigi, M., Scavetta, E., Berrettoni, M., Giorgetti, M. and Tonelli, D., Sulfate-selective electrodes based on hydrotalcites, (439) (2001) 265

Morikawa, H., see Ohta, K., (439) (2001) 255

Morin, P., see Cahours, X., (441) (2001) 15

Morita, M., see Chatterjee, A., (436) (2001) 253

Moritz, W., Krause, S., Roth, U., Klimm, D. and Lippitz, A., Reactivation of an all solid state oxygen sensor, (437) (2001) 183

Morra, M.J., see Kariuki, S., (442) (2001) 277

Morris, H., see Mazúr, M., (443) (2001) 127

Morris, K., Catterall, K., Zhao, H., Pasco, N. and John, R., Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, (442) (2001) 129

Morrison, G.M., see Motelica-Heino, M., (436) (2001) 233

Mosbach, K., Toward the next generation of molecular imprinting with emphasis on the formation, by direct molding, of compounds with biological activity (biomimetics), (435) (2001) 3

Mosbach, K., see Yamazaki, T., (435) (2001) 209

Mosbach, K., see Ye, L., (435) (2001) 187

Moschou, E.A. and Chaniotakis, N.A., Potassium selective CHEM-FET based on an ion-partitioning membrane, (445) (2001) 183

Moschou, E.A., see Andredakis, G.E., (439) (2001) 273

Moscone, D., see Killard, A.J., (427) (2001) 173

Moscoso-Pérez, C., see Moreda-Piñeiro, J., (431) (2001) 157

Mostafa, G.A.E., see Abbas, M.N., (436) (2001) 223

Motelica-Heino, M., Rauch, S., Morrison, G.M. and Donard, O.F.X., Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS, (436) (2001) 233

Mouillet, V., see Lamontagne, J., (444) (2001) 241

Moulin, C., Amekraz, B., Hubert, S. and Moulin, V., Study of thorium hydrolysis species by electrospray-ionization mass spectrometry, (441) (2001) 269

Moulin, C., see Fichet, P., (429) (2001) 269

Moulin, V., see Mercier, F., (427) (2001) 101

Moulin, V., see Moulin, C., (441) (2001) 269

Mourzina, Y., Schöning, M.J., Schubert, J., Zander, W., Legin, A.V., Vlasov, Y. and Lüth, H., Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, (433) (2001) 103

Moustafa, G.A., see Abbas, M.N., (431) (2001) 181

Mousty, C., Cosnier, S., Shan, D. and Mu, S., Trienzymatic biosensor for the determination of inorganic phosphate, (443) (2001)

Mu, S., see Mousty, C., (443) (2001) 1

Mulholland, M.I., see Hibbert, D. Brynn, (443) (2001) 205

Müller, B., see Jacquinot, P., (432) (2001) 1

Mullett, W.M., see Mohammed, I., (444) (2001) 97

Munakata, H., see Wanatabe, S., (427) (2001) 211

Munck, L., Pram Nielsen, J., Møller, B., Jacobsen, S., Søndergaard, I., Engelsen, S.B., Nørgaard, L. and Bro, R., Exploring the phenotypic expression of a regulatory proteome-altering gene by spectroscopy and chemometrics, (446) (2001) 171

Muniategui-Lorenzo, S., see Moreda-Piñeiro, J., (431) (2001) 157

Muñiz-Naveiro, O., see Bermejo-Barrera, P., (439) (2001) 211

Muñoz de la Peña, A., see Espinosa-Mansilla, A., (427) (2001) 129

Muñoz, M., see Garcia-Valls, R., (439) (2001) 247 Muntau, H., see Llauradó, M., (445) (2001) 99

Murakami, M., see Nakajima, K., (426) (2001) 127

Murawaki, Y., see Kobayashi, T., (435) (2001) 141

Murayama, K., see Cao, Z., (448) (2001) 47

Muro Tamayo, D., see Blanco Gomis, D., (436) (2001) 173

Murphy, C.J., see Glenn, S.J., (448) (2001) 1

Murphy, J.T., see Spangler, B.D., (444) (2001) 149

Myrick, M.L., see Yan, Y., (441) (2001) 87

N

Nagamune, T., see Han, T.S., (431) (2001) 225

Nagaosa, Y., see Jia, R., (442) (2001) 249

Nagels, L.J., see Poels, I., (440) (2001) 89

Nagy, G., see Kovács, B., (437) (2001) 67

Nagy, G., see Kunsági-Máté, S., (428) (2001) 301

Nagy, G., see Kunsági-Máté, S., (443) (2001) 227

Nagy, N., see Henke, L., (433) (2001) 31

Nair, R.B., see Glenn, S.J., (448) (2001) 1

Nakahara, T., see Takeda, K., (426) (2001) 105

Nakajima, K., Ohta, K., Murakami, M. and Takada, T., Study on the role of the cool body for the enhancement of sulphur diatomic molecular emission in a hydrogen flame with a multi-channel spectral analyser, (426) (2001) 127

Nakamura, M., Suzuki, T., Amano, K.i. and Yamada, S., Relation of sorptionbehavior of agricultural chemicals in solid-phase extraction with their n-octanol/water partition coefficients evaluated by highperformance liquid chromatography (HPLC), (428) (2001) 219

Nakamura, N., Lim, T.K., Jeong, J.M. and Matsunaga, T., Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, (439) (2001) 125

Nakamura, O., Lowe, R.D., Mitchem, L. and Snook, R.D., Diffusion of nitroglycerin from drug delivery patches through micro-fibre filters using Fourier transform infrared photoacoustic spectrometry, (427) (2001) 63

Nakanishi, M., see Jyonosono, K., (438) (2001) 83

Nakayama, E., see Okamura, K., (443) (2001) 143

Nakayama, N., see Shibukawa, M., (427) (2001) 293

Nakazawa, H., see Watanabe, E., (433) (2001) 199

Nałecz, D., see Dziuba, J., (449) (2001) 243

Nam, H., see Choi, S.H., (431) (2001) 261

Nam, H., see Kim, S.B., (439) (2001) 47

Narang, S.A., see Wang, J., (435) (2001) 255

Nardone, M., see Andalò, C., (429) (2001) 279

Narinesingh, D., see Brahim, S., (448) (2001) 27 Naseri, M.A., see Shamsipur, M., (450) (2001) 37

Nasser, A.L.M., see Pezza, L., (433) (2001) 281

Nassel, A.L.M., see Fezza, L., (433) (2001) 201

Navalón, A., see Vîlchez, J.L., (439) (2001) 299

Navalón, A., see Vílchez, J.L., (444) (2001) 279

Navea, S., de Juan, A. and Tauler, R., Three-way data analysis applied to multispectroscopic monitoring of protein folding, (446) (2001) 187

Näykki, T., Perämäki, P., Kujala, J. and Mikkonen, A., Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, (439) (2001) 229

Nazarov, E.G., see Eiceman, G.A., (433) (2001) 53

Nedeltcheva, T. and Vladimirova, L., Spectrophotometric determination of oxygen stoichiometry in YBCO superconducting bulk samples, (437) (2001) 259

Nelson, A., see Lindholm-Sethson, B., (446) (2001) 121

Nepote, A.J. and Olivieri, A.C., Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, (439) (2001) 87 Neumann, R., see Monteiro, M.I.C., (428) (2001) 265

Nevado, J.J. Berzas, Peñalvo, G. Castañeda and Bernardo, F.J. Guzmán, Simultaneous determination of sulfamethoxypyridazine, sulfamethoxazole, sulfadimethoxine and their associated compounds by liquid chromatography, (442) (2001) 241

Ng, K.M., see Gong, F., (450) (2001) 99

Ngowe, C.O., Bishop, K.D. and McGuffin, V.L., Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, (427) (2001) 137

Ni, J., see Guo, M., (443) (2001) 91

Ni, Y., Wang, L. and Kokot, S., Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, (431) (2001) 101

Ni, Y., Wang, L. and Kokot, S., Voltammetric determination of chlorpromazine hydrochloride and promethazine hydrochloride with the use of multivariate calibration, (439) (2001) 159

Nicholls, I.A., Adbo, K., Andersson, H.S., Andersson, P.O., Ankarloo, J., Hedin-Dahlström, J., Jokela, P., Karlsson, J.G., Olofsson, L., Rosengren, J., Shoravi, S., Svenson, J. and Wikman, S., Can we rationally design molecularly imprinted polymers?, (435) (2001) 9

Nicholls, I.A., see Adbo, K., (435) (2001) 115

Nicholls, I.A., see Karlsson, J.G., (435) (2001) 57

Nicholls, I.A., see Svenson, J., (435) (2001) 19

Nichols, W.F., see Windig, W., (446) (2001) 467

Nicolardot, B., see Alavoine, G., (445) (2001) 107

Nie, L., see Ma, Q., (439) (2001) 73

Nie, L., see Wang, X., (445) (2001) 169

Nie, L., Wu, S., Wang, J., Zheng, L., Lin, X. and Rui, L., Continuous wavelet transform and its application to resolving and quantifying the overlapped voltammetric peaks, (450) (2001) 185

Niedziółka, J., see Malinowska, E., (432) (2001) 67

Niessner, R., see Fink, H., (440) (2001) 17

Niessner, R., see Zeck, A., (441) (2001) 1

Nikokavouras, J., see Papadopoulos, K., (433) (2001) 263

Nikolajsen, R.P. and Hansen, A.M., Analytical methods for determining urinary catecholamines in healthy subjects, (449) (2001) 1

Nilsson, S., see Schweitz, L., (435) (2001) 43

Nishikawa, H., see Sakai, T., (438) (2001) 117

Nishimoto, J., Yamada, T. and Tabata, M., Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, (428) (2001) 201

Nishimura, T., see El-Shemy, H.A., (442) (2001) 113

Nistor, C., Oubiña, A., Marco, M.P., Barceló, D. and Emnéus, J., Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, (426) (2001) 185

Nivens, D.A., see Glenn, S.J., (448) (2001) 1

Niwa, O., see Kurita, R., (441) (2001) 165

Nóbrega, J.A., see Gouveia, S.T., (445) (2001) 269

Nobuta, T., see Teshima, N., (438) (2001) 21

Noguchi, K., see Ito, T., (443) (2001) 41

Nogueira, A.R.A., see Gouveia, S.T., (445) (2001) 269

Nogueira, A.R.A., see Kamogawa, M.Y., (438) (2001) 273

Noguer, T., see Avramescu, A., (433) (2001) 81

Noguer, T., see Avramescu, A., (443) (2001) 283

Noji, K., see Hayakawa, K., (445) (2001) 205

Nomura, Y., see Shimomura, M., (434) (2001) 223

Nord, L.I., Kenne, L. and Jacobsson, S.P., Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja saponaria* Molina, (446) (2001) 199

Novakova, E., see Yordanov, N.D., (437) (2001) 131

Nørgaard, L., see Munck, L., (446) (2001) 171

Nunes, G.S., Montesinos, T., Marques, P.B.O., Fournier, D. and Marty, J.L., Acetylcholine enzyme sensor for determining methamidophos insecticide. Evaluation of some genetically modified acetylcholinesterases from *Drosophila melanogaster*, (434) (2001) 1

Nuzillard, J.M., see Gorius, O., (440) (2001) 231

Nyokong, T., see Grootboom, N., (432) (2001) 49

Nyokong, T., see Oni, J., (434) (2001) 9

0

Obata, H., see Okamura, K., (443) (2001) 143

O'Connell, P.J., Gormally, C., Pravda, M. and Guilbault, G.G., Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, (431) (2001) 239

Ogorevc, B., see Wang, J., (434) (2001) 29

Ogrinc, N., see Košir, I.J., (429) (2001) 195

Oh, J.R., see Choi, J.Y., (443) (2001) 241

Oh, K.-Y., see Osán, J., (446) (2001) 211

Ohashi, A., see Yulizar, Y., (447) (2001) 247

Ohkuma, H., see Seto, Y., (429) (2001) 19

Ohta, K., Morikawa, H. and Sando, M., Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, (439) (2001) 255

Ohta, K., see Nakajima, K., (426) (2001) 127

Ohta, S., see Sode, K., (435) (2001) 151

Ohtsu, M., see Kurihara, K., (426) (2001) 11

Ohwa, M., see Hirano, K., (443) (2001) 265

Okamura, K., Sugiyama, M., Obata, H., Maruo, M., Nakayama, E. and Karatani, H., Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, (443) (2001) 143

Okiyama, N., Santa, T., Toriba, A. and Imai, K., BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and L-configuration determination method, (429) (2001) 293

Okiyama, N., Santa, T., Toriba, A. and Imai, K., Erratum to "BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and D/L-configuration determination method" [Anal. Chim. Acta 429 (2001) 293–300], (437) (2001) 165

Oksanen, M., see Pantsar-Kallio, M., (439) (2001) 9

Okura, I., see Amao, Y., (445) (2001) 177

Okuzaki, J., see Takeda, K., (426) (2001) 105

Oldham, C.E., see Linge, K.L., (450) (2001) 247

Olesik, S.V., see Wen, D., (449) (2001) 211

Olesik, S.V., see Zhao, J., (449) (2001) 221

Oliveira Neto, G., see Sotomayor, M.D.P.T., (447) (2001) 33

Oliveira, M.I.P., Pimentel, M.C., Montenegro, M.C.V.B., Araújo, A.N., Pimentel, M.F. and Silva, V.L.d., L-Glutamate determination in food samples by flow-injection analysis, (448) (2001) 207

Oliveros, M.C.C., see Martín, Y.G., (449) (2001) 69

Olivieri, A.C., see Nepote, A.J., (439) (2001) 87

Olofsson, L., see Nicholls, I.A., (435) (2001) 9

Omoda, N., see Wanatabe, S., (427) (2001) 211

Ong, K.K., Jenkins, A.L., Cheng, R., Tomalia, D.A., Durst, H.D., Jensen, J.L., Emanuel, P.A., Swim, C.R. and Yin, R., Dendrimer enhanced immunosensors for biological detection, (444) (2001) 143

Oni, J. and Nyokong, T., Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, (434) (2001) 9

Önnerfjord, P., see Bjarnason, B., (426) (2001) 197

Opekar, F., see Chvojka, T., (433) (2001) 13

O'Reilly, J.W., Dicinoski, G.W., Shaw, M.J. and Haddad, P.R., Chromatographic and electrophoretic separation of inorganic sulfur and sulfur-oxygen species, (432) (2001) 165

Ortiz Hernández, I., see Pingarrón, J.M., (439) (2001) 281

Ortiz, M.C., see Meléndez, M.E., (446) (2001) 159

Ortiz, M.C., see Rueda, M.E., (446) (2001) 269

Ortiz, M.C., see Sanz, M.B., (446) (2001) 297

Osán, J., de Hoog, J., Worobiec, A., Ro, C.-U., Oh, K.-Y., Szalóki, I. and Van Grieken, R., Application of chemometric methods for classification of atmospheric particles based on thin-window electron probe microanalysis data, (446) (2001) 211

Oshima, S., Hirayama, N., Kubono, K., Kokusen, H. and Honjo, T., Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N.N-bis(2-pyridylmethylidene)-1,2-diiminoethane and its analogues, (441) (2001) 157

Ostra, M., see López-Cueto, G., (445) (2001) 117

O'Sullivan, C.K., see Kreuzer, M.P., (442) (2001) 45

Oubiña, A., see Nistor, C., (426) (2001) 185

Oungpipat, W., see Liawruangrath, S., (448) (2001) 37

Owen, S., see Sartin, J.H., (428) (2001) 61

owski, C.K., see Wionczyk, B., (428) (2001) 89

Ozawa, T., see Sasaki, K., (447) (2001) 63

Ozkan, D., see Kerman, K., (450) (2001) 45

Ozsoz, M., see Erdem, A., (437) (2001) 107

Ozsoz, M., see Kerman, K., (450) (2001) 45

P

Paakkanen, H., see Tuovinen, K., (429) (2001) 257 Paakkanen, H., see Tuovinen, K., (440) (2001) 151

Packer, A.P., Giné, M.F., dos Reis, B.F. and Menegário, A.A., Micro flow system to perform programmable isotope dilution for inductively coupled plasma-mass spectrometry, (438) (2001) 267

Padrós, J. and Pelletier, E., Subpicogram determination of (+)-antibenzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, (426) (2001) 71 Pahlavanpour, B., see Kim, I.S., (450) (2001) 13

Pai, S.C., Tsau, Y.J. and Yang, T.I., pH and buffering capacity problems involved in the determination of ammonia in saline water using the indophenol blue spectrophotometric method, (434) (2001) 209

Pais, A.A.C.C., see Pereira, J.L.G.C., (433) (2001) 135

Palchetti, I., see Killard, A.J., (427) (2001) 173

Paleologos, E.K., Stalikas, C.D., Tzouwara-Karayanni, S.M. and Karayannis, M.I., Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysis-spectrofluorimetry, (436) (2001) 49

Palet, C., see Calzado, J.A., (431) (2001) 59

Palomino, N.F., see Gomis, D.B., (426) (2001) 111

Panasyuk-Delaney, T., Mirsky, V.M., Ulbricht, M. and Wolfbeis, O.S., Impedometric herbicide chemosensors based on molecularly imprinted polymers, (435) (2001) 157

Panda, S.K. and Broitman, S.A., An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, (432) (2001) 317

Panis, C., see León-González, M.E., (445) (2001) 29

Paniz, J.N.G., Flores, E.M., Dressler, V.L. and Martins, A.F., Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor, (445) (2001) 139

Panne, U., see Fink, H., (440) (2001) 17

Pantsar-Kallio, M., Reinikainen, S.P. and Oksanen, M., Interactions of soil components and their effects on speciation of chromium in soils, (439) (2001) 9

Paolucci, D., see Ugo, P., (434) (2001) 291

Papadepoulos, K., Triantis, T., Dimotikali, D. and Nikokavouras, J., Evaluation of food antioxidant activity by photostorage chemiluminescence, (433) (2001) 263

Parczewski, A., see Krawczyk, W., (446) (2001) 107

Pardo, M., Sberveglieri, G., Taroni, A., Masulli, F. and Valentini, G., Decompositive classification models for electronic noses, (446) (2001) 223

Pardo-Martínez, M., Viñas, P., Fisher, A. and Hill, S.J., Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, (441) (2001) 29

Park, J., see Choi, J.Y., (443) (2001) 241

Parvinen, P., Determination of chloride in inorganic solid samples by cold vapour molecular absorption spectrometry as Cl₂, (428) (2001) 279

Pasco, N., see Morris, K., (442) (2001) 129

Pascual-Martí, M.C., see Chisvert, A., (428) (2001) 183

Paseková, H., Polášek, M., Cigarro, J.F. and Dolejšová, J., Determination of some sulphonamides by sequential injection analysis with chemiluminescence detection, (438) (2001) 165

Pasini, O., see Farré, M., (426) (2001) 155

Pasquini, C., see de Aquino, E.V., (438) (2001) 67

Pastor, A., see He, Y., (447) (2001) 135

Paull, B., see Connolly, D., (441) (2001) 53

Pauluth, D., see Kieser, B., (434) (2001) 231

Pavlov, A.R., see Blake, D.A., (444) (2001) 3 Pavón, J.L.P., see Martín, Y.G., (449) (2001) 69

Pedersen, B., see Brunn, L., (436) (2001) 87

Pedrotti, J.J., see Matos, R.C., (441) (2001) 73

Pellegrino, P.M., see Fell Jr., N.F., (426) (2001) 43

Pelletier, E., see Padrós, J., (426) (2001) 71

Peñalvo, G. Castañeda, see Nevado, J.J. Berzas, (442) (2001) 241

Peng, T., see Liang, P., (440) (2001) 207

Peng, T., see Wu, Y., (439) (2001) 153

Peng, Y.Q., see Li, J.N., (431) (2001) 81

Peper, S., Tsagkatakis, I. and Bakker, E., Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, (442) (2001) 25

Pepers, M., see Witjes, H., (432) (2001) 113

Peralta, X., see Blanco, M., (434) (2001) 133

Perämäki, P., see Näykki, T., (439) (2001) 229

Pereira, E., see Ramalhosa, E., (448) (2001) 135

Pereira, J.L.G.C., Pais, A.A.C.C. and Redinha, J.S., Maximum likelihood estimation with nonlinear regression in polarographic and potentiometric studies, (433) (2001) 135

Pereira-Filho, E.R., Mello, C., Costa Filho, P.A., Arruda, M.A.Z. and Poppi, R.J., Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, (433) (2001) 111

Pérez Arroyo, J., see Lemus Gallego, J.M., (437) (2001) 247

Pérez Cid, B., Fernández Alborés, A., Fernández Gómez, E. and Falqué López, E., Use of microwave single extractions for metal fractionation in sewage sludge samples, (431) (2001) 209

Pérez Pavón, J.L., see González Martín, Y., (449) (2001) 69

Pérez, F., Tryland, I., Mascini, M. and Fiksdal, L., Rapid detection of Escherichia coli in water by a culture-based amperometric method, (427) (2001) 149

Pérez, J.P., see Malovaná, S., (428) (2001) 245

Pérez-Arribas, L.V., see León-González, M.E., (445) (2001) 29

Pérez-Conde, M.C., see Pulido-Tofiño, P., (429) (2001) 337

Pérez-Munguia, S., see Montesinos, T., (431) (2001) 231

Pérez-Pastor, R.M., see García-Alonso, S., (440) (2001) 223

Pérez-Ruiz, T., Martínez-Lozano, C., Tomás, V. and Martín, J., Flow-injection spectrofluorimetric determination of dissolved inorganic and organic phosphorus in waters using on-line photo-oxidation, (442) (2001) 147

Pérez-Ruiz, T., Martínez-Lozano, C., Tomás, V. and Martín, J., Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, (447) (2001) 229

Persi, L., see Campanella, L., (426) (2001) 235

Persson, T. and Wedborg, M., Multivariate evaluation of the fluorescence of aquatic organic matter, (434) (2001) 179

Perutka, J. and Martell, A.E., Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst, (435) (2001) 385

Perutka, J., see Garcia-Valls, R., (439) (2001) 247

Pesavento, M., Biesuz, R., Gnecco, C. and Magi, E., Investigation of the metal species in seawater by sorption of the metal ion on complexing resins with different sorbing properties, (449) (2001) 23

Petcu, M., Cooney, J., Cook, C., Lauren, D., Schaare, P. and Holland, P., Molecular imprinting of a small substituted phenol of biological importance, (435) (2001) 49 Petit De Peña, Y., López, W., Burguera, M., Burguera, J.L., López-Carrasquero and Carrillo, M., Flow injection system for cadmium preconcentration on poly(octadecyl diitaconate) (PDI-18) and atomic absorption spectrometry detection, (438) (2001) 259

Petsul, P.H., Greenway, G.M. and Haswell, S.J., The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor, (428) (2001) 155

Peuravuori, J., Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement, (429) (2001) 65

Peuravuori, J., Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, (429) (2001) 75

Peyrin, E., Guillaume, Y.C., Grosset, C., Villet, A., Ravel, A. and Alary, J., Sucrose effect on reversed-phase liquid chromatography solute retention, (428) (2001) 83

Pezza, H.R., see Pezza, L., (433) (2001) 281

Pezza, L., Santini, A.O., Pezza, H.R., Melios, C.B., Ferreira, V.J.F. and Nasser, A.L.M., Benzoate ion determination in beverages by using a potentiometric sensor immobilized in a graphite matrix, (433) (2001) 281

Picollo, M., see Bacci, M., (446) (2001) 15

Picón Zamora, D., see Garrido Frenich, A., (449) (2001) 143

Pihlar, B., see Kolar, J., (431) (2001) 313

Pillay, P., Barnes, D.E. and van Staden, J.F., Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, (440) (2001) 45

Pilviö, R., see Toribio, M., (447) (2001) 179

Pilzecker, P., see Sielemann, S., (431) (2001) 293

Pimenta, A.M., Araújo, A.N. and Montenegro, M.C.V.B., Sequential injection analysis of captopril based on colorimetric and potentiometric detection, (438) (2001) 31

Pimentel, M.C., see Oliveira, M.I.P., (448) (2001) 207

Pimentel, M.F., see Oliveira, M.I.P., (448) (2001) 207

Pin, C., see Deniel, C., (426) (2001) 95

Pineda, R., Knapp, A.D., Hoekstra, J.C. and Johnson, D.C., Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, (449) (2001) 111

Pinel, C., see Vigneau, O., (435) (2001) 75

Pingarrón, J.M., Ortiz Hernández, I., González-Cortés, A. and Yáñez-Sedeño, P., Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine, (439) (2001) 281

Pingarrón, J.M., see García-Moreno, E., (448) (2001) 9

Pinto, C.G., see Martín, Y.G., (449) (2001) 69

Pitarch, E., see López, F.J., (433) (2001) 217

Piunno, P.A., see Henke, L., (433) (2001) 31

Planche, J.P., see Lamontagne, J., (444) (2001) 241

Planchon, F.A., Boutron, C.F., Barbante, C., Wolff, E.W., Cozzi, G., Gaspari, V., Ferrari, C.P. and Cescon, P., Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, (450) (2001) 193

Plossi Zappalà, M., see Andalò, C., (429) (2001) 279

Poels, I. and Nagels, L.J., Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, (440) (2001) 89 Pohl, P. and Zyrnicki, W., On the transport of some metals into inductively coupled plasma during hydride generation process, (429) (2001) 135

Pohl, P.V., see McSheehy, S., (440) (2001) 3

Poissant, L., see Amyot, M., (447) (2001) 153

Polášek, M., see Paseková, H., (438) (2001) 165

Polhuis, M., see Crouch, A.M., (448) (2001) 231

Pollard, A. Mark, see Brody, R.H., (427) (2001) 223

Polo Díez, L.M., see León-González, M.E., (445) (2001) 29

Polson, L.A., see Stone, M.L., (426) (2001) 147

Polydorou, C.K., see Solich, P., (438) (2001) 131

Pons, O. Rubio, Gregorio, D. Martínez, Mateo, J.V. García and Calatayud, J. Martínez, Flow-injection analysis study of the chemiluminescent behaviour of proflavine and acriflavine, (438) (2001) 149

Popov, B.N., see Xie, Y., (448) (2001) 221

Popp, P., Bauer, C. and Wennrich, L., Application of stir bar sorptive extraction in combination with column liquid chromatography for the determination of polycyclic aromatic hydrocarbons in water samples, (436) (2001) 1

Poppi, R.J., see da Costa Filho, P.A., (446) (2001) 39

Poppi, R.J., see Pereira-Filho, E.R., (433) (2001) 111

Poppi, R.J., see Zampronio, C.G., (446) (2001) 495

Porcel, M., see Blanco, M., (431) (2001) 115

Porcinai, S., see Bacci, M., (446) (2001) 15

Porras, M.J., see Alonso, A., (447) (2001) 211

Porter, J., see Wang, J., (441) (2001) 183

Postma, G.J., see de Groot, P.J., (446) (2001) 71

Potin-Gautier, M., see Gallardo, M. Vergara, (441) (2001) 257

Pötzsch, S., see Tam, W.F.C., (427) (2001) 259

Pouly, F., see Roig, B., (437) (2001) 145

Pournaghi-Azar, M.H., Djozan, D. and Abdolmohammad zadeh, H., Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, (437)

Pourreza, N. and Rastegarzadeh, S., Simultaneous determination of gold and palladium with 5(p-dimethylaminobenzylidene)rhodanine by using the H-point standard addition method in micellar media, (437) (2001) 273

Poursaberi, T., see Ganjali, M.R., (440) (2001) 81

Powell, K.J., see Adams, M.L., (433) (2001) 289

Pozebon, D., Dressler, V.L. and Curtius, A.J., Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water, (438) (2001)

Pozebon, D., see Dressler, V.L., (438) (2001) 235

Pozzi, R., see Bocchini, P., (441) (2001) 37

Prada-Rodríguez, D., see Moreda-Piñeiro, J., (431) (2001) 157

Prado, A.G. and Airoldi, C., Adsorption, preconcentration and separation of cations on silica gel chemically modified with the herbicide 2,4-dichlorophenoxyacetic acid, (432) (2001) 201

Pram Nielsen, J., see Munck, L., (446) (2001) 171

Prat, M. Dolors, see Saurina, J., (432) (2001) 241

Prat, M.D., see González-Toledo, E., (443) (2001) 183

Prather, K.A., see Song, X.H., (446) (2001) 329

Prats, R., see Martínez-Barrachina, S., (438) (2001) 305

Pravda, M., see Kreuzer, M.P., (442) (2001) 45

Pravda, M., see O'Connell, P.J., (431) (2001) 239

Pravdova, V., Walczak, B., Massart, D.L., Kawano, S., Toyoda, K. and Tsenkova, R., Calibration of somatic cell count in milk based on near-infrared spectroscopy, (450) (2001) 131

Prenzler, P.D., see Ryan, D., (445) (2001) 67

Pretsch, E., see Ion, A.C., (440) (2001) 71

Price, J., see Autrey, T., (434) (2001) 217

Prince, A.E., Fan, T.S., Skoczenski, B.A. and Bushway, R.J., Development of an immunoaffinity-based solid-phase extraction for diazinon, (444) (2001) 37

Prochaska, K., see Wionczyk, B., (428) (2001) 89

Prodromidis, M.I., see Yao, D., (450) (2001) 63

Prohaska, T., see Wenzel, W.W., (436) (2001) 309

Proksa, B. and Čižmáriková, R.e., Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, (434) (2001) 75

Puignou, L., see Sentellas, S., (431) (2001) 49

Pulgarín, J.A.M., Molina, A.A. and López, P.F., Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, (449) (2001) 179

Pulido-Tofiño, P., Barrero-Moreno, J.M. and Pérez-Conde, M.C., Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, (429) (2001) 337

Purachat, P., see Liawruangrath, S., (448) (2001) 37

Qin, C., see Guo, Z., (436) (2001) 41 Qin, L., see Zi-Hui, M., (435) (2001) 121 Qin, Y., see Liang, P., (440) (2001) 207 Qu, J., see Luo, C., (428) (2001) 143 Quejido-Cabezas, A.J., see García-Alonso, S., (440) (2001) 223

Raba, J., see Lapierre, A.V., (443) (2001) 17

Radford, P.T. and Creager, S.E., Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, (449) (2001) 199

Raharivelomanana, P., see Bombarda, I., (447) (2001) 113

Raimundo Jr., I.M., see Sotomayor, M.D.P.T., (447) (2001) 33

Raimundo Jr., I.M., see Vieira, J.A., (438) (2001) 75

Rajeb, S.B., Cléroux, C., Lawrence, J.F., Geay, P.-Y., Wu, S. and Stavinski, S., Development and characterization of immunoaffinity columns for the selective extraction of a new developmental pesticide: Thifluzamide, from peanuts, (432) (2001)

Rak, M., Dżygiel, P. and Wieczorek, P., Supported liquid membrane extraction of aromatic aminophosphonates, (433) Ramadan, Z., Song, X.H., Hopke, P.K., Johnson, M.J. and Scow, K.M., Variable selection in classification of environmental soil samples for partial least square and neural network models, (446) (2001) 233

Ramalhosa, E., Río Segade, S., Pereira, E., Vale, C. and Duarte, A., Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatography—cold vapour atomic fluorescence spectrometry, (448) (2001) 135

Ramanathan, K., Jönsson, B.R. and Danielsson, B., Sol-gel based thermal biosensor for glucose, (427) (2001) 1

Ramanathan, K., see Danielsson, B., (426) (2001) 227

Ramanathan, S., see Shrestha, S., (444) (2001) 251

Ramanoelina, P.A., see Bombarda, I., (447) (2001) 113

Rambali, B., see Rousseeuw, P.J., (446) (2001) 245

Rämmler, A., see Borsdorf, H., (440) (2001) 63

Ramstrom, O., see Allender, C.J., (435) (2001) 1

Rangel, A.O., see Segundo, M.A., (427) (2001) 279

Rapp, M., see Stahl, U., (450) (2001) 27

Raspor, B., see Erk, M., (442) (2001) 165

Rastegarzadeh, S., see Pourreza, N., (437) (2001) 273

Rathbone, D.L. and Ge, Y., Selectivity of response in fluorescent polymers imprinted with N¹-benzylidene pyridine-2-carboxamidrazones, (435) (2001) 129

Rathore, D.P.S., Tarafder, P.K., Kayal, M. and Kumar, M., Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, (434) (2001) 201

Rauch, S., see Motelica-Heino, M., (436) (2001) 233

Rauret, G., see Llauradó, M., (445) (2001) 99

Rauret, G., see Mellado, J., (443) (2001) 81

Rauret, G., see Toribio, M., (447) (2001) 179

Ravel, A., see Peyrin, E., (428) (2001) 83

Ray, S.J. and Hieftje, G.M., Microwave plasma torch atmosphericsampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, (445) (2001) 35

Rea, G.J., see Dane, A.D., (429) (2001) 185

Reddy, P.S., see Kobayashi, T., (435) (2001) 141

Redinha, J.S., see Pereira, J.L.G.C., (433) (2001) 135

Reed, A.W., see Chuang, J.C., (444) (2001) 87

Reemtsma, T., Prospects of toxicity-directed wastewater analysis, (426) (2001) 279

Reichert, J., see Blum, P., (432) (2001) 269

Reincke, H., see Elsholz, O., (438) (2001) 251

Reinhoudt, D.N., see Wróblewski, W., (432) (2001) 79

Reinikainen, S.P., see Pantsar-Kallio, M., (439) (2001) 9

Reinke, M., see Castillo, M., (426) (2001) 265

Reis, B.F., see Rocha, F.R., (438) (2001) 11

Reis, B.F., see Tumang, C.A., (438) (2001) 59

Reis, B.F., see Vicente, S., (438) (2001) 3

Reis, B.F., see Vieira, J.A., (438) (2001) 75

Reis, S., see Rodrigues, C., (428) (2001) 103

Reisenhofer, E., see Barbieri, P., (440) (2001) 161

Ren, L.W., see Xie, M.J., (428) (2001) 255

Renimel, I., see Cahours, X., (441) (2001) 15

Reshetilov, A.N., see Kurganov, B.I., (427) (2001) 11

Rettberg, P., Bandel, K., Baumstark-Khan, C. and Horneck, G., Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, (426) (2001) 167

Rettberg, P., see Baumstark-Khan, C., (437) (2001) 23

Rettberg, P., see Hellweg, C.E., (426) (2001) 175

Reyzer, M.L. and Brodbelt, J.S., Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/ mass spectrometry or high-performance liquid chromatography/ mass spectrometry, (436) (2001) 11

Rezgui, N.D., Baker, J.G. and Alder, J.F., Quantitative millimetre wavelength spectrometry. Part V: Observation of dispersive gas spectra with a millimetre wavelength confocal Fabry-Perot cavity spectrometer, (433) (2001) 269

Richter, M.M., see High, B., (449) (2001) 17

Richter, P., see Vallejo, B., (436) (2001) 301

Riekkola, M.L., see Suomi, J., (429) (2001) 91

Rietz, B., Krarup-Hansen, A. and Rørth, M., Determination of platinum by radiochemical neutron activation analysis in neural tissues from rats, monkeys and patients treated with cisplatin, (426) (2001) 119

Rigobello-Masini, M. and Masini, J.C., Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, (448) (2001) 239

Ritchie, L., see Kim, I.S., (450) (2001) 13

Riu, J., see Castillo, M., (426) (2001) 265

Riu, J., see del Río, F. Javier, (446) (2001) 49

Riu, J., see Maroto, A., (440) (2001) 171

Riu, J., see Maroto, A., (446) (2001) 133

Riu, J., see Martínez, A., (446) (2001) 147 Rius, A., see Macho, S., (445) (2001) 213

Rius, F. Xavier, see del Río, F. Javier, (446) (2001) 49

Rius, F. Xavier, see Maroto, A., (440) (2001) 171

Rivas, G.A., see Rubianes, M.D., (440) (2001) 99

Rived, F., Canals, I., Bosch, E. and Rosés, M., Acidity in methanolwater, (439) (2001) 315

Río Segade, S., see Ramalhosa, E., (448) (2001) 135

Roß, B., see Scheipers, A., (439) (2001) 29

Ro, C.-U., see Osán, J., (446) (2001) 211

Robards, K., see Ryan, D., (445) (2001) 67

Rocha, F.R., Martelli, P.B. and Reis, B.F., An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, (438) (2001) 11

Rode, A., see Baumstark-Khan, C., (437) (2001) 23

Rodríguez, A.R., see Díaz-Cruz, M.S., (428) (2001) 285

Rodríguez-Delgado, M.A., see Malovaná, S., (428) (2001) 245

Rodríguez-Méndez, M.L., see Guadarrama, A., (432) (2001) 283

Rodrigues, C., Gameiro, P., Reis, S., Lima, J.L.F.C. and de Castro, B., Spectrophotometric determination of drug partition coefficients in dimyristoyl-L-α-phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions, (428) (2001) 103

Rodrigues, G.V., see Ferreira, M.J., (429) (2001) 151

Rodrigues, G.V., see Ferreira, M.J., (447) (2001) 125

Rodrigues, J.A., Barros, A.A., Almeida, P.J., Rodrigues, P.G. and Fogg, A.G., Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethylquinoxaline, (449) (2001) 119

Rodrigues, P.G., see Rodrigues, J.A., (449) (2001) 119

Rodriguez, A.R., see Dabrio, M., (435) (2001) 319

Rodriguez, E., see Unceta, N., (444) (2001) 211

Rodriguez, J.E., see Eiceman, G.A., (433) (2001) 53

Rogers, K.R., Apostol, A., Madsen, S.J. and Spencer, C.W., Fiber optic biosensor for detection of DNA damage, (444) (2001) 51

Roget, A., see Dupont-Filliard, A., (449) (2001) 45

Rohwedder, J.J., see de Aquino, E.V., (438) (2001) 67

Roig, B., Pouly, F., Gonzalez, C. and Thomas, O., Alternative method for the measurement of ammonium nitrogen in wastewater, (437) (2001) 145

Romero, C., see Wang, E., (433) (2001) 89

Romero, M.A., see Blanco, M., (434) (2001) 125

Rondón, C., see Carrero, P., (438) (2001) 195

Ríos, A., see Bauza, R., (450) (2001) 1

Ríos, A., see Lista, A.G., (438) (2001) 315

Ríos, J.L., see Guadarrama, A., (432) (2001) 283

Rosatto, S.S., see Calvo-Marzal, P., (441) (2001) 207

Rosengren, J., see Nicholls, I.A., (435) (2001) 9

Rose-Pehrsson, S.L., see Shaffer, R.E., (442) (2001) 295

Rosés, M., see Rived, F., (439) (2001) 315

Rosier, J., see De Spiegeleer, B., (446) (2001) 345

Roth, U., see Moritz, W., (437) (2001) 183

Rouhani, S., see Ganjali, M.R., (440) (2001) 81

Rouhollahi, A., see Shamsipur, M., (434) (2001) 23

Rousseeuw, P.J., Van Aelst, S., Rambali, B. and Smeyers-Verbeke, J., Deepest regression in analytical chemistry, (446) (2001) 245

Rowell, F.J., see Armstrong, S., (444) (2001) 79

Rørth, M., see Rietz, B., (426) (2001) 119

Rubianes, M.D. and Rivas, G.A., Highly selective dopamine quantification using a glassy carbon electrode modified with a melanin-type polymer, (440) (2001) 99

Rubio, R., see Sabé, R., (436) (2001) 215

Ruckebusch, C., Duponchel, L. and Huvenne, J.P., Degree of hydrolysis from mid-infrared spectra, (446) (2001) 257

Rueda, M.E., Sarabia, L.A., Herrero, A. and Ortiz, M.C., Soft calibration in a flow system with electrochemical detection. Application to the determination of phenolic compounds, (446) (2001) 269

Rui, L., see Nie, L., (450) (2001) 185

Ruiz, J., see Frank, M., (431) (2001) 11

Ruiz, M.A., see García-Moreno, E., (448) (2001) 9

Rupasinghe, T., Cardwell, T.J., Cattrall, R.W., de Castro, M.D.L. and Kolev, S.D., Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, (445) (2001) 229

Rutledge, D.N., Barros, A. and Delgadillo, I., PoLiSh smoothed partial least-squares regression, (446) (2001) 281

Ruysschaert, J.M., see Acha, V., (435) (2001) 215

Ryan, D., Lawrence, H., Prenzler, P.D., Antolovich, M. and Robards, K., Recovery of phenolic compounds from *Olea europaea*, (445) (2001) 67

S

Sabé, R., Rubio, R. and García-Beltrán, L., Selenium determination in urine with atomic fluorescence detection, (436) (2001) 215

Safavi, A., Absalan, G. and Maesum, S., Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, (432) (2001) 229

Sagirli, O., see Saglik, S., (427) (2001) 253

Saglik, S., Sagirli, O., Atmaca, S. and Ersoy, L., Simultaneous determination of fosinopril and hydrochlorothiazide in tablets by derivative spectrophotometric and high-performance liquid Chromatographic methods, (427) (2001) 253

Sagrado, S., see Escuder-Gilabert, L., (448) (2001) 173

Sagrado, S., see Martín-Biosca, Y., (443) (2001) 191

Sahuquillo, A., see Llauradó, M., (445) (2001) 99

Said, S.A., see Saleh, S.M., (436) (2001) 69

Saini, S., see Bosworth, T., (450) (2001) 253

Saini, S., see Kim, I.S., (450) (2001) 13

Sait, S.S., see Jain, V.K., (429) (2001) 237

Saito, Y., see Salleh, S.H., (423) (2001) 207

Sajewicz, M., see Catalá Icardo, M., (438) (2001) 281

Sakai, K., see Aoyagi, S., (436) (2001) 103

Sakai, S., see Hayakawa, K., (445) (2001) 205

Sakai, T., see Teshima, N., (438) (2001) 21

Sakai, T., Takio, H., Teshima, N. and Nishikawa, H., Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, (438) (2001) 117

Sakino, M., see Shimomura, M., (434) (2001) 223

Saleh, M.B., Hassan, S.S., Gaber, A.A.A. and Kream, N.A.A., Novel potentiometric membrane sensor for selective determination of aluminum(III) ions, (434) (2001) 247

Saleh, S.M., Said, S.A. and El-Shahawi, M.S., Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, (436) (2001) 69

Salinas, F., see Espinosa-Mansilla, A., (427) (2001) 129

Salleh, S.H., Saito, Y., Kiso, Y. and Jinno, K., Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and on-line supercritical fluid extraction/high performance liquid chromatography technique, (433) (2001) 207

Sallés, J., see Unceta, N., (444) (2001) 211

Salvador, A., see Chisvert, A., (428) (2001) 183

Sammartino, M.P., see Campanella, L., (426) (2001) 235

Sampedro, C., see Unceta, N., (444) (2001) 211

San Andrés, M.P., see García, L., (434) (2001) 193

San Andrés, M.P., see León-González, M.E., (445) (2001) 29

Sanborn, J.R., see Shan, G., (444) (2001) 169

Sánchez, F. García, Díaz, A. Navas, Díaz, A.F. González and Lovillo, J., Antibody production and development of a polarization fluoroimmunoassay for the herbicide triclopyr, (439) (2001) 121

Sánchez, M.L.F., see Martino, F.A.R., (442) (2001) 191

Sánchez, M.S., see Meléndez, M.E., (446) (2001) 159

Sánchez-Palencia, G., see Vîlchez, J.L., (444) (2001) 279

Sandford, R.C., see Achterberg, E.P., (440) (2001) 27

Sando, M., see Ohta, K., (439) (2001) 255

Sanfeliu Alonso, M.C., Lahuerta Zamora, L. and Martínez Calatayud, J., Flow-injection with chemiluminescence detection for the determination of iproniazid, (437) (2001) 225

Sanfeliu Alonso, M.C., Lahuerta Zamora, L. and Martínez Calatayud, J., Determination of the flavor enhancer maltol through a FIA direct chemiluminescence procedure, (438) (2001) 157

Sano, T., see Kaya, K., (450) (2001) 73

Santa, T., see Okiyama, N., (429) (2001) 293

Santa, T., see Okiyama, N., (437) (2001) 165

Santana Rodríguez, J.J., see Eiguren Fernández, A., (433) (2001) 237

Santiago, D., see Wang, E., (433) (2001) 89

Santini, A.O., see Pezza, L., (433) (2001) 281

Santiuste, J.M., Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, (441) (2001) 63

Santos, E.B., see Duarte, R.M., (442) (2001) 155

Santschi, P.H., see Hung, C.C., (427) (2001) 111

Sanz, C., see Guadarrama, A., (432) (2001) 283

Sanz, M.B., Sarabia, L.A., Herrero, A. and Ortiz, M.C., Capability of discrimination: application to soft calibration methods, (446) (2001) 297

Sanz-Medel, A., see Álvarez-Llamas, G., (448) (2001) 105

Sanz-Medel, A., see Díaz-García, J., (429) (2001) 55

Sanz-Medel, A., see Ferrarello, C.N., (429) (2001) 227

Sanz-Medel, A., see Jin, W.J., (431) (2001) 1

Sanz-Medel, A., see Martino, F.A.R., (442) (2001) 191

Sanz-Nebot, V., see Barbosa, J., (437) (2001) 309

Sanz-Vicente, I., see Galbán, J., (434) (2001) 81

Sarabia, L.A., see Meléndez, M.E., (446) (2001) 159

Sarabia, L.A., see Rueda, M.E., (446) (2001) 269

Sarabia, L.A., see Sanz, M.B., (446) (2001) 297

Sarker, A.K., see Ukeda, H., (438) (2001) 137

Sartin, J.H., Halsall, C.J., Davison, B., Owen, S. and Hewitt, C.N., Determination of biogenic volatile organic compounds (C₈–C₁₆) in the coastal atmosphere at Mace Head, Ireland, (428) (2001) 61

Sartorelli, P., see Ferreira, M.J., (447) (2001) 125

Sarzanini, C., Abollino, O. and Mentasti, E., Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, (435) (2001) 343

Sarzanini, C., see Conca, R., (439) (2001) 107

Sasaki, K., Ozawa, T. and Umezawa, Y., Screening method for antagonists that inhibit the binding of calmodulin to a target peptide using surface plasmon resonance, (447) (2001) 63

Sasaki, S., see Han, T.S., (431) (2001) 225

Sasaki, S., see Kim, Y.C., (432) (2001) 59

Satake, A., see Watanabe, H., (437) (2001) 31

Sato, Y., see Mizutani, F., (441) (2001) 175

Saurina, J. and Hernández-Cassou, S., Quantitative determinations in conventional flow injection analysis based on different chemometric calibration statregies: a review, (438) (2001) 335

Saurina, J., Leal, C., Compañó, R., Granados, M., Prat, M. Dolors and Tauler, R., Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, (432) (2001) 241

Saurina, J., see Sentellas, S., (431) (2001) 49

Sawamura, M., see Ukeda, H., (438) (2001) 137

Sberveglieri, G., see Pardo, M., (446) (2001) 223

Scavetta, E., see Morigi, M., (439) (2001) 265

Schaare, P., see Petcu, M., (435) (2001) 49 Scharp, J., see Luthe, G., (429) (2001) 49

Schauer, J.J., see Song, X.H., (446) (2001) 329

Schechter, I., see Belostotsky, I., (429) (2001) 215

Schechter, I., see Litani-Barzilai, I., (439) (2001) 1

Scheipers, A., Waßmus, O., Sundermeier, C., Eshold, J., Weiß, T., Gitter, M., Roß, B. and Knoll, M., Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, (439) (2001) 29

Scheller, F.W., see Streffer, K., (427) (2001) 201

Scheper, T., see Timur, S., (445) (2001) 191

Schlueter K.T., see Kradtap, S., (444) (2001) 13

Schmidt, H., see Sielemann, S., (431) (2001) 293

Schoeniger, J.S., see Simonian, A.L., (442) (2001) 15

Schollmeyer, E., see Buschmann, H.-J., (437) (2001) 157

Schöning, M.J., see Mourzina, Y., (433) (2001) 103

Schubert, J., see Mourzina, Y., (433) (2001) 103

Schulze, D., see Borsdorf, H., (440) (2001) 63

Schuster, K. Christian, see Kansiz, M., (438) (2001) 175

Schwedt, G., see de Carvalho, L.M., (436) (2001) 293

Schweitz, L., Andersson, L.I. and Nilsson, S., Rapid electrochromatographic enantiomer separations on short molecularly imprinted polymer monoliths, (435) (2001) 43

Scott Saavedra, S., see Senarath-Yapa, M.D., (432) (2001) 89

Scow, K.M., see Ramadan, Z., (446) (2001) 233

Segundo, M.A. and Rangel, A.O., A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, (427) (2001) 279

Sehhat, A.A., see Afkhami, A., (437) (2001) 17

Sellergren, B., see Lanza, F., (435) (2001) 91

Semple, G., see Marchais, S., (426) (2001) 85

Senarath-Yapa, M.D. and Scott Saavedra, S., Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, (432) (2001) 89

Sentellas, S., Saurina, J., Hernández-Cassou, S., Galceran, M. Teresa and Puignou, L., Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using threeway data analysis methods, (431) (2001) 49

Senthil Kumar, A., see Zen, J.M., (449) (2001) 95

Seo, K., see Choi, J.Y., (443) (2001) 241

Sernicka-Poluchowicz, A., see Jankowski, K., (440) (2001) 215

Serpaud, B., see Lacour, S., (428) (2001) 121

Sessler, J.L., see Umezawa, K., (426) (2001) 19

Setford, S., see Bosworth, T., (450) (2001) 253

Setford, S., see Kim, I.S., (450) (2001) 13

Setford, S.J., see Van Es, R.M. (429) (2001) 37

Seto, Y., Ohkuma, H., Takayasu, S., Iba, T., Umeda, A. and Abe, K., Development of highly sensitive bioluminescent enzyme immunoassay with ultra-wide measurable range for thyroid-stimulating hormone using firefly luciferase, (429) (2001) 19

Shadi, I.T., Chowdhry, B.Z., Snowden, M.J. and Withnall, R., Semiquantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, (450) (2001) 115

Shaffer, R.E., Cross, J.O., Rose-Pehrsson, S.L. and Elam, W.T., Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, (442) (2001) 295

Shah, R.N., see Umpleby II, R.J., (435) (2001) 35

Shamsipur, M., Ganjali, M.R., Rouhollahi, A. and Moghimi, A., Beryllium-selective membrane sensor based on 3,4-di[2-(2-tet-rahydro-2H-pyranoxy)]ethoxy styrene-styrene copolymer, (434) (2001) 23

Shamsipur, M., see Ganjali, M.R., (440) (2001) 81

Shamsipur, M., Soleymanpour, A., Akhond, M., Sharghi, H. and Naseri, M.A., Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III), (450) (2001) 37

Shan, D., see Mousty, C., (443) (2001) 1

Shan, G., Leeman, W.R., Gee, S.J., Sanborn, J.R., Jones, A. Daniel, Chang, D.P. and Hammock, B.D., Highly sensitive dioxin immunoassay and its application to soil and biota samples, (444) (2001) 169

Shan, G., see Matveeva, E.G., (444) (2001) 103

Shan, G., see Watanabe, T., (444) (2001) 119

Shan, X.q., see Wang, Z., (441) (2001) 147

Sharghi, H., see Shamsipur, M., (450) (2001) 37

Sharman, M., see Tarbin, J.A., (433) (2001) 71

Shaw, M.J., see O'Reilly, J.W., (432) (2001) 165

Shea, K.J., see Spivak, D.A., (435) (2001) 65

Shen, D., see Huang, M., (440) (2001) 109

Shen, G.L., see Zhang, X.B., (439) (2001) 65

Shen, H., Grung, B., Kvalheim, O.M. and Eide, I., Automated curve resolution applied to data from multi-detection instruments, (446) (2001) 313

Shen, H., see Airiau, C.Y., (447) (2001) 199

Shen, H.X., see Cong, X., (444) (2001) 205

Shen, P., see Ling, L.S., (436) (2001) 207

Shen, W., see Yu, M., (428) (2001) 209

Shen, Z., see Thomas, J.J., (442) (2001) 183

Sherrington, D.C., see Lanza, F., (435) (2001) 91

Shetty, R.S., see Shrestha, S., (444) (2001) 251 Shi, G., see Xu, F., (439) (2001) 239

Shi, X.Y., Wang, M., Chen, G.R., Fu, R.N. and Gu, J.L., Synthesis and properties of new cyclodextrin phenyl carbamates as capillary gas chromatography stationary phases, (445) (2001) 221

Shibata, Y., see Chatterjee, A., (436) (2001) 253

Shibukawa, M., Nakayama, N., Hayashi, T., Shibuya, D., Endo, Y. and Kawamura, S., Extraction behaviour of metal ions in aqueous polyethylene glycol-sodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, (427) (2001) 293

Shibuya, D., see Shibukawa, M., (427) (2001) 293

Shih, J.S., see Wei, L.F., (437) (2001) 77

Shikino, O., see Hirata, S., (438) (2001) 205

Shimizu, K.D., see Umpleby II, R.J., (435) (2001) 35

Shimomura, M., Nomura, Y., Zhang, W., Sakino, M., Lee, K.H., Ikebukuro, K. and Karube, I., Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, (434) (2001) 223

Shin, J.H., see Choi, S.H., (431) (2001) 261

Shishkanova, T.V., see Krondak, M., (448) (2001) 19

Shoravi, S., see Nicholls, I.A., (435) (2001) 9

Shotyk, W., see Krachler, M., (432) (2001) 303

Shrestha, S., Shetty, R.S., Ramanathan, S. and Daunert, S., Simultaneous detection of analytes based on genetically engineered whole cell sensing systems, (444) (2001) 251

Shrivastav, P., see Jain, V.K., (429) (2001) 237

Shtykov, S., see Melnikov, G., (439) (2001) 81

Siddiqui, A., see Allender, C.J., (435) (2001) 107

Sielemann, S., Baumbach, J.I., Schmidt, H. and Pilzecker, P., Detection of alcohols using UV-ion mobility spetrometers, (431) (2001) 293

Siepak, J., see Barałkiewicz, D., (437) (2001) 11

Silva, A.M.S., see Garrido, E.M., (434) (2001) 35

Silva, F.V., see Gouveia, S.T., (445) (2001) 269

Silva, V.L.d., see Oliveira, M.I.P., (448) (2001) 207

Simões Gonçalves, M.L., see Correia dos Santos, M.M., (441) (2001) 191

Simonian, A.L., Efremenko, E.N. and Wild, J.R., Discriminative detection of neurotoxins in multi-component samples, (444) (2001) 179

Simonian, A.L., Grimsley, J.K., Flounders, A.W., Schoeniger, J.S., Cheng, T.C., DeFrank, J.J. and Wild, J.R., Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, (442) (2001) 15

Şimşek, O., see Kaya, A., (441) (2001) 317

Sirén, H., see Suomi, J., (429) (2001) 91

Siuzdak, G., see Thomas, J.J., (442) (2001) 183

Skoczenski, B.A., see Prince, A.E., (444) (2001) 37

Šlejkovec, Z., van Elteren, J.T. and Woroniecka, U.D., Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, (443) (2001) 277

Smeyers-Verbeke, J., see Kuttatharmmakul, S., (441) (2001) 215

Smeyers-Verbeke, J., see Rousseeuw, P.J., (446) (2001) 245

Smith, B.W., see Bi, M., (435) (2001) 309

Smith, G.D., Burgio, L., Firth, S. and Clark, R.J.H., Laser-induced degradation of lead pigments with reference to Botticelli's *Trionfo d'Amore*, (440) (2001) 185

Smith, W.F., see Windig, W., (446) (2001) 467

Smyth, M.R., see Killard, A.J., (427) (2001) 173

Søndergaard, I., see Munck, L., (446) (2001) 171

Snellink-Ruël, B.H., see Wróblewski, W., (432) (2001) 79

Snook, R.D., see Nakamura, O., (427) (2001) 63

Snowden, M.J., see Shadi, I.T., (450) (2001) 115

Socha, J., see Fránek, M., (444) (2001) 131

Sode, K., see Yamazaki, T., (435) (2001) 209

Sode, K., Takahashi, Y., Ohta, S., Tsugawa, W. and Yamazaki, T., A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, (435) (2001) 151

Sodo, A., see Andalò, C., (429) (2001) 279

Söğüt, O., see Kaya, A., (441) (2001) 317

Soldatkin, A.P., see Dzyadevych, S.V., (445) (2001) 47

Solé, J. and Enrique, P., X-ray fluorescence analysis for the determination of potassium in small quantities of silicate minerals for K-Ar dating, (440) (2001) 199

Soleymanpour, A., see Shamsipur, M., (450) (2001) 37

Solich, P., Polydorou, C.K., Koupparis, M.A. and Efstathiou, C.E., Automated flow injection fluorimetric determination and dissolution studies of burnetanide in pharmaceuticals, (438) (2001) 131

Song, B.C., see Lee, C.H., (428) (2001) 133

Song, G.W., see Ling, L.S., (436) (2001) 207

Song, J., see Zhao, C., (434) (2001) 261

Song, X. and Swanson, B.I., Rapid assay for avidin and biotin based on fluorescence quenching, (442) (2001) 79

Song, X.H., Faber, N.(.M., Hopke, P.K., Suess, D.T., Prather, K.A., Schauer, J.J. and Cass, G.R., Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, (446) (2001) 329

Song, X.H., see Ramadan, Z., (446) (2001) 233

Sosa Ferrera, Z., see Eiguren Fernández, A., (433) (2001) 237

Sotomayor, M.D.P.T., Raimundo Jr., I.M., Oliveira Neto, G. and Kubota, L.T., Bi-enzymatic optode detection system for oxalate determination based on a natural source of enzyme, (447) (2001)

Sousa, S.R. and Bialkowski, S.E., Comparison of gas chromatography detection limits and relative responses of common alternative fluorocarbons using electron capture, atomic emission, and mass spectrometry detection, (433) (2001) 181

Spangler, B.D., Wilkinson, E.A., Murphy, J.T. and Tyler, B.J., Comparison of the Spreeta[®] surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia* coli heat-labile enterotoxin, (444) (2001) 149

Spencer, C.W., see Rogers, K.R., (444) (2001) 51

Spichiger, U.E., see Zhang, X., (445) (2001) 57

Spichiger-Keller, U.E., see Blum, P., (432) (2001) 269

Spivak, D.A. and Shea, K.J., Investigation into the scope and limitations of molecular imprinting with DNA molecules, (435) (2001) 65

Srivastava, A.K., see Ijeri, V.S., (439) (2001) 291

Srivastava, A.K., see Jaiswal, P.V., (441) (2001) 201

Stachel, B., see Elsholz, O., (438) (2001) 251

Stahl, U., Rapp, M. and Wessa, T., Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, (450) (2001) 27

Staimer, N., Gee, S.J. and Hammock, B.D., Development of a classselective enzyme immunoassay for urinary phenolic glucuronides, (444) (2001) 27

Stalikas, C.D., see Konidari, C.N., (442) (2001) 231

Stalikas, C.D., see Paleologos, E.K., (436) (2001) 49

Stanker, L.H., see Beier, R.C., (444) (2001) 61

Statheropoulos, M. and Mikedi, K., PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, (446) (2001) 353

Stavinski, S., see Rajeb, S.B., (432) (2001) 193

Stefánka, Z., see Ipolyi, I., (435) (2001) 367

Stenberg, M., see Krantz-Rülcker, C., (426) (2001) 217

Stenken, J.A., Chen, R. and Yuan, X., Influence of geometry and equilibrium chemistry on relative recovery during enhanced microdialysis, (436) (2001) 21

Štěpánek, I., see Ferancová, A., (447) (2001) 47

Stibor, I., see Krondak, M., (448) (2001) 19

Stingeder, G., see Wenzel, W.W., (436) (2001) 309

Stone, M.L., Gresham, G.L. and Polson, L.A., Erratum to "Characterization of two polyphosphazene materials as membranes in

membrane introduction mass spectrometry". [Analytica Chimica Acta 407 (2000) 311-317], (426) (2001) 147

Stoutamire, D.W., see Matveeva, E.G., (444) (2001) 103

Stoutamire, D.W., see Watanabe, T., (444) (2001) 119 Strachan, N.J.C., see Garden, S.R., (444) (2001) 187

Streffer, K., Vijgenboom, E., Tepper, A.W., Makower, A., Scheller, F.W., Canters, G.W. and Wollenberger, U., Determination of phenolic compounds using recombinant tyrosinase from Streptomyces antibioticus, (427) (2001) 201

Strizhak, P.E., Didenko, O.Z. and Ivashchenko, T.S., Determination of traces of thallium using the transient chaotic regime in the Belousov-Zhabotinskii oscillating chemical reaction, (428) (2001) 15

Strlič, M., see Kolar, J., (431) (2001) 313

Stroink, T., Wiese, G., Lingeman, H., Bult, A. and Underberg, W.J., Development of an on-line size exclusion chromatographic reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, (444) (2001) 193

Strojek, J.W., see Wagner, K., (447) (2001) 11

Strömberg, N. and Hulth, S., An ammonium selective fluorosensor based on the principles of coextraction, (443) (2001) 215

Struger, J., see Zaruk, D., (444) (2001) 163

Stüben, D., see Zimmermann, S., (439) (2001) 203

Štulík, K., see Chvojka, T., (433) (2001) 13

Šturdík, E., see Tkáč, J., (439) (2001) 39

Su, C.C., Chang, M.C. and Liu, L.K., New Ag*- and Pb²⁺-selective electrodes with lariat crown ethers as ionophores, (432) (2001) 261

Su, M., see Ma, Q., (439) (2001) 73

Su, M.H., Ma, H.M., Ma, Q.L., Wang, Z.H., Xiong, S.X. and Liang, S.C., Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5triazinylamino)quinoline, (426) (2001) 51

Su, P.G., Chen, I. Cherng and Wu, R.J., Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, (449) (2001) 103

Su, X. and Li, S.F., Serological determination of *Helicobacter pylori* infection using sandwiched and enzymatically amplified piezoelectric biosensor, (429) (2001) 27

Suess, D.T., see Song, X.H., (446) (2001) 329

Sugiyama, M., see Okamura, K., (443) (2001) 143

Sugiyama, M., Tamada, T. and Hori, T., Liquid chromatography catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), (431) (2001) 141

Suh, M.Y., see Lee, C.H., (428) (2001) 133

Sun, C., see Liu, R., (441) (2001) 303

Sun, D., see Yu, M., (428) (2001) 209

Sun, H.W., see Ha, J., (448) (2001) 145

Sun, J.M., see Ha, J., (448) (2001) 145

Sun, W., Jiao, K., Zhang, S., Zhang, C. and Zhang, Z., Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using p-aminophenol as substrate and its application in detection of plant virus, (434) (2001) 43

Sun, X., Cao, W., Bai, X., Yang, X. and Wang, E., Determination of allopurinol and its active metabolite oxypurinol by capillary electrophoresis with end-column amperometric detection, (442) (2001) 121

Sundell, S., see Marchais, S., (426) (2001) 85

Sundermeier, C., see Scheipers, A., (439) (2001) 29

Suomi, J., Sirén, H., Wiedmer, S.K. and Riekkola, M.L., Isolation of aucubin and catalpol from *Melitaea cinxia* larvae and quantification by micellar electrokinetic capillary chromatography, (429) (2001) 91

Surareungchai, W., Deepunya, W. and Tasakorn, P., Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, (448) (2001) 215

Sures, B., see Zimmermann, S., (439) (2001) 203

Surugiu, I., see Danielsson, B., (426) (2001) 227

Suszka, A., see Kurzawa, J., (431) (2001) 149

Suzuki, H., Hirakawa, T., Watanabe, I. and Kikuchi, Y., Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, (431) (2001) 249

Suzuki, K., see Kurihara, K., (426) (2001) 11

Suzuki, T., see Nakamura, M., (428) (2001) 219

Suzuki, Y., see Tani, H., (429) (2001) 301

Svenson, J. and Nicholls, I.A., On the thermal and chemical stability of molecularly imprinted polymers, (435) (2001) 19

Svenson, J., see Nicholls, I.A., (435) (2001) 9

Swain, G.M., see Witek, M.V.A., (440) (2001) 119

Swanson, B.I., see Song, X., (442) (2001) 79

Sweileh, J.A., On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, (448) (2001) 151

Swim, C.R., see Ong, K.K., (444) (2001) 143

Swinkels, D.W., see Markus, A. Patrick J.A., (429) (2001) 287

Sýkora, D., see Záruba, K., (437) (2001) 39

Synoradzki, L., see Jankowski, K., (440) (2001) 215

Syntilas, V., see Wang, E., (433) (2001) 89

Szalóki, I., see Osán, J., (446) (2001) 211

Szpoganicz, B., see de Souza Sierra, M.M., (445) (2001) 89

Szpunar, J., see McSheehy, S., (440) (2001) 3

T

Tabacco, M.B., see Taylor, L.C., (435) (2001) 239

Tabei, H., see Kurita, R., (441) (2001) 165

Tabata, M., see Nishimoto, J., (428) (2001) 201

Tacke, M., see Vogt, F., (431) (2001) 167

Taimatsu, H. and Kaneko, H., Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pumpgauge, (435) (2001) 247

Takabayashi, Y., see Helaleh, M.I., (428) (2001) 227

Takács-Novák, K., see Tam, K.Y., (434) (2001) 157

Takada, T., see Nakajima, K., (426) (2001) 127

Takagi, H., see Kaya, K., (450) (2001) 73

Takahashi, Y., see Sode, K., (435) (2001) 151

Takahashib, K., see Tanakaa, M., (429) (2001) 117

Takayasu, S., see Seto, Y., (429) (2001) 19

Takeda, K., Ikushima, S., Okuzaki, J., Watanabe, S., Fujimoto, T. and Nakahara, T., Inductively coupled plasma mass spectro-

metric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, (426) (2001) 105

Takeishi, H., Kitatsuji, Y., Kimura, T., Meguro, Y., Yoshida, Z. and Kihara, S., Solvent extraction of uranium, neptunium, plutonium, americium, curium and californium ions by bis(1-phenyl-3methyl-4-acylpyrazol-5-one) derivatives, (431) (2001) 69

Takio, H., see Sakai, T., (438) (2001) 117

Tam, K.Y. and Takács-Novák, K., Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study, (434) (2001) 157

Tam, W.F.C., Tanner, P.A., Law, P.T.R., Bächmann, K. and Pötzsch, S., Use of capillary electrophoresis in the analysis of aerosol and bulk/dry deposition collected on a daily basis, (427) (2001) 259

Tamada, T., see Sugiyama, M., (431) (2001) 141

Tan, S.N. and Hua, L., Amperometric detection of cytochrome c by capillary electrophoresis at a sol-gel carbon composite electrode, (450) (2001) 263

Tan, S.N., see Miao, Y., (437) (2001) 87

Tanabe, J., see Toyo'oka, T., (433) (2001) 1

Tanaka, A., see Chatterjee, A., (436) (2001) 253

Tanaka, H., see Aizawa, H., (437) (2001) 167

Tanaka, H., see Dasgupta, P.K., (435) (2001) 289

Tanaka, M., see Aizawa, H., (437) (2001) 167

Tanakaa, M. and Takahashib, K., Silicate species in high pH solution molybdate, whose silica concentration is determined by colorimetry, (429) (2001) 117

Tang, N., see Hayakawa, K., (445) (2001) 205

Tani, H., Suzuki, Y., Matsuda, A. and Kamidate, T., Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, (429) (2001) 301

Tanner, P.A., see Tam, W.F.C., (427) (2001) 259

Tao, G., see Willie, S.N., (447) (2001) 143

Tao, L.j., see Chen, B.M., (444) (2001) 223

Taoufiki, J., see Vîlchez, J.L., (444) (2001) 279

Tapia, C., see Vallejo, B., (436) (2001) 301

Tarafder, P.K., see Rathore, D.P.S., (434) (2001) 201

Taraschewski, H., see Zimmermann, S., (439) (2001) 203

Tarbin, J.A. and Sharman, M., Development of molecularly imprinted phase for the selective retention of stilbene-type estrogenic compounds, (433) (2001) 71

Taroni, A., see Pardo, M., (446) (2001) 223

Tasakorn, P., see Surareungchai, W., (448) (2001) 215

Tauler, R., see de Juan, A., (442) (2001) 337

Tauler, R., see Navea, S., (446) (2001) 187

Tauler, R., see Saurina, J., (432) (2001) 241

Tauler, R., see Vives, M., (446) (2001) 439

Tavlarides, L.L., see Garcia-Valls, R., (439) (2001) 247

Taylor, J., see Kim, I.S., (450) (2001) 13

Taylor, L.C., Tabacco, M.B. and Gillespie, J.B., Sensors for detection of calcium associated with bacterial endospore suspensions, (435) (2001) 239

Teixeira, M.F., Moraes, F.C., Fatibello-Filho, O. and Bocchi, N., Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, (443) (2001) 249

Telefoncu, A., see Timur, S., (445) (2001) 191

Temmerman, E., see Westbroek, P., (437) (2001) 95

Tent, J., see Llauradó, M., (445) (2001) 99

Teo, K.C., see Chen, J., (434) (2001) 325

Teo, K.C., see Chen, J., (450) (2001) 215

Tepper, A.W., see Streffer, K., (427) (2001) 201

Teramae, N., see Ishioka, T., (449) (2001) 253

Teresa Fernández Abedul, M., see José Bengoechea Álvarez, M., (442) (2001) 55

Teshima, N., Nobuta, T. and Sakai, T., Simultaneous flow injection determination of ascorbic acid and cysteine using double flow cell, (438) (2001) 21

Teshima, N., see Sakai, T., (438) (2001) 117

Thas, O., see Verdonck, F.A., (446) (2001) 429

Themelis, D.G. and Tzanavaras, P.D., Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, (428) (2001) 23

Themelis, D.G. and Tzanavaras, P.D., Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, (429) (2001) 111

Thissen, U., Melssen, W.J. and Buydens, L.M., Nonlinear process monitoring using bottle-neck neural networks, (446) (2001) 371

Thomaidis, N.S., see Labrinea, E.P., (448) (2001) 201

Thomas, J.J., Shen, Z., Blackledge, R. and Siuzdak, G., Desorptionionization on silicon mass spectrometry: an application in forensics, (442) (2001) 183

Thomas, O., see Roig, B., (437) (2001) 145

Thoné, D., see De Spiegeleer, B., (446) (2001) 345

Tian, F., Xu, B., Zhu, L. and Zhu, G., Hydrogen peroxide biosensor with enzyme entrapped within electrodeposited polypyrrole based on mediated sol-gel derived composite carbon electrode, (443) (2001) 9

Tian, W., see Yu, M., (428) (2001) 209

Tianyou, P., Gang, C., Xiaohai, S., Zucheng, J. and Bin, H., Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, (433) (2001) 255

Tiffany, T.O., see Leatzow, D.M., (435) (2001) 299

Timerbaev, A.R., Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical methodology?, (433) (2001) 165

Timur, S., Telefoncu, A., Irtel, F., Ulber, R., Scheper, T. and Faurie, R., Novel sensor based on copper-chelating affinity matrix for the specific uridine detection, (445) (2001) 191

Tirapu, L., see Farré, M., (427) (2001) 181

Tkáč, J., Voštiar, I., Šturdík, E., Gemeiner, P., Mastihuba, V. and Annus, J., Fructose biosensor based on p-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, (439) (2001) 39

Tohda, K., see Umezawa, K., (426) (2001) 19

Tokita, A., see Arakawa, H., (445) (2001) 197

Toko, K., see Ivarsson, P., (449) (2001) 59

Tomalia, D.A., see Ong, K.K., (444) (2001) 143

Tománková, Z., see Záruba, K., (437) (2001) 39

Tomás, V., see Pérez-Ruiz, T., (442) (2001) 147

Tomás, V., see Pérez-Ruiz, T., (447) (2001) 229

Tomassetti, M., see Campanella, L., (426) (2001) 235

Tomita, I.N. and Bulhões, L.O., Electrogenerated chemiluminescence determination of cefadroxil antibiotic, (442) (2001)

Tonelli, D., see Morigi, M., (439) (2001) 265

Tong, A.J., see Li, L.D., (427) (2001) 29

Tong, S., see Chen, W., (432) (2001) 277

Tong, S.Y., see Zhang, S.Z., (431) (2001) 133

Toniolo, R., see Di Narda, F., (436) (2001) 245

Toral, I., see Vallejo, B., (436) (2001) 301

Toriba, A., see Hayakawa, K., (445) (2001) 205

Toriba, A., see Okiyama, N., (429) (2001) 293

Toriba, A., see Okiyama, N., (437) (2001) 165

Toribio, M., García, J.F., Rauret, G., Pilviö, R. and Bickel, M., Plutonium determination in mineral soils and sediments by a procedure involving microwave digestion and extraction chromatography, (447) (2001) 179

Torimitsu, K., see Kurita, R., (441) (2001) 165

Torres, J., see Blanco, M., (434) (2001) 133

Torres, J.M., see Llauradó, M., (445) (2001) 99

Torres-Lapasió, J.R., see López-Grío, S.J., (433) (2001) 187

Tortajada-Genaro, L.A., Campíns-Falcó, P. and Bosch-Reig, F., Calibration transfer in chemiluminescence analysis. Application to chromium determination by luminol-hydrogen peroxide reaction. (446) (2001) 385

Tortajada-Genaro, L.A., Campíns-Falcó, P., Verdú-Andrés, J. and Bosch-Reig, F., Multivariate versus univariate calibration for nonlinear chemiluminescence data. Application to chromium determination by luminol-hydrogen peroxide reaction, (450) (2001) 155

Toulhoat, P., see Mercier, F., (427) (2001) 101

Townley, J.C., see Waguespack, B.L., (441) (2001) 231

Toyoda, K., see Pravdova, V., (450) (2001) 131

Toyo'oka, T., Tanabe, J. and Kashihara, Y., Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, (433) (2001) 1

Triantis, T., see Papadopoulos, K., (433) (2001) 263

Trijbels, J.M. Frans, see Markus, A. Patrick J.A., (429) (2001) 287

Troccoli, O.E., see Fernández, F.M., (433) (2001) 119

Trojanowicz, M., see Worsfold, P., (438) (2001) 1

Truong, T.T., see Guillaume, Y.C., (447) (2001) 237

Truscott, J.B., Jones, P., Fairman, B.E. and Evans, E. Hywel, Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, (433) (2001) 245

Tryland, I., see Pérez, F., (427) (2001) 149

Tsagkatakis, I., see Peper, S., (442) (2001) 25

Tsai, H.C., see Doong, R.A., (434) (2001) 239

Tsai, J.C., see Dill, K., (444) (2001) 69

Tsai, S.J., see Wang, L.H., (441) (2001) 107

Tsai, S.J.J., see Chen, S.Y., (435) (2001) 357

Tsai, S.S., see Yang, J., (436) (2001) 31

Tsai, T.H. and Wu, J.W., Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, (448) (2001) 195

Tsai, T.H., Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, (431) (2001)

Tsau, Y.J., see Pai, S.C., (434) (2001) 209

Tseng, S.W., see Wang, L.H., (432) (2001) 39

Tsenkova, R., see Pravdova, V., (450) (2001) 131

Tsugawa, W., see Sode, K., (435) (2001) 151

Tsui, C.P., see Yang, J., (442) (2001) 267 Tsuji, A., see Watanabe, H., (437) (2001) 31

Tudino, M.B., see Fernández, F.M., (433) (2001) 119

Tumang, C.A., Borges, E.P. and Reis, B.F., Multicommutation flow system for spectrophotometric L(+)lactate determination in silage

material using an enzymatic reaction, (438) (2001) 59 Tuovinen, K., Kolehmainen, M. and Paakkanen, H., Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, (429) (2001) 257

Tuovinen, K., Paakkanen, H. and Hänninen, O., Determination of soman and VX degradation products by an aspiration ion mobility spectrometry, (440) (2001) 151

Tzouwara-Karayanni, S.M., see Paleologos, E.K., (436) (2001) 49

Turgut, U., see Kaya, A., (441) (2001) 317

Tyler, B.J., see Spangler, B.D., (444) (2001) 149

Tzanavaras, P.D., see Themelis, D.G., (428) (2001) 23

Tzanavaras, P.D., see Themelis, D.G., (429) (2001) 111

Ubide, C., see López-Cueto, G., (445) (2001) 117

Uchida, T., see Ishioka, T., (449) (2001) 253

Ugo, P., Zampieri, S., Moretto, L.M. and Paolucci, D., Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, (434) (2001) 291

Ukeda, H., Sarker, A.K., Kawana, D. and Sawamura, M., Flowinjection chemiluminometric assay of superoxide dismutase, (438) (2001) 137

Ulber, R., see Timur, S., (445) (2001) 191

Ulbricht, M., see Panasyuk-Delaney, T., (435) (2001) 157

Ulmer, H., see Frank, M., (431) (2001) 11

Umeda, A., see Seto, Y., (429) (2001) 19

Umezawa, K., Tohda, K., Lin, X.M., Sessler, J.L. and Umezawa, Y., Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, (426) (2001) 19

Umezawa, Y., see Sasaki, K., (447) (2001) 63

Umezawa, Y., see Umezawa, K., (426) (2001) 19

Umiker, K.J., see Kariuki, S., (442) (2001) 277

Umpleby II, R.J., Baxter, S.C., Bode, M., Berch Jr., J.K., Shah, R.N. and Shimizu, K.D., Application of the Freundlich adsorption isotherm in the characterization of molecularly imprinted polymers, (435) (2001) 35

Unceta, N., Rodriguez, E., de Balugera, Z.G., Sampedro, C., Goicolea, M. Aranzazu, Barrondo, S., Sallés, J. and Barrio, R.J., Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multielectrode cell-design detection, (444) (2001) 211

Underberg, W.J., see Stroink, T., (444) (2001) 193

Unsworth, E.R., Cook, J.M. and Hill, S.J., Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, (442) (2001) 141

Urbas, A.A. and Harrington, P.B., Two-dimensional wavelet compression of ion mobility spectra, (446) (2001) 393

Vachirapatama, N., Doble, P., Yu, Z., Macka, M. and Haddad, P.R., Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, (434) (2001) 301

Vaidyanathan, S., Harvey, L.M. and McNeil, B., Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, (428) (2001) 41

Valcárcel, M., see Bauza, R., (450) (2001) 1

Valcárcel, M., see Columé, A., (436) (2001) 153

Valcárcel, M., see Criado, A., (435) (2001) 281

Valcárcel, M., see Lista, A.G., (438) (2001) 315

Valdez, F., see Montesinos, T., (431) (2001) 231

Vale, C., see Ramalhosa, E., (448) (2001) 135

Valencia, M.C., see Vilchez, J.L., (439) (2001) 299

Valentini, G., see Pardo, M., (446) (2001) 223

Valiente, M., see Calzado, J.A., (431) (2001) 59

Valiente, M., see Garcia-Valls, R., (439) (2001) 247

Valko, M., see Mazúr, M., (443) (2001) 127

Vallejo, B., Richter, P., Toral, I., Tapia, C. and Luque de Casiro, M.D., Determination of sulphide in liquid and solid samples by integrated pervaporation-potentiometric detection, (436) (2001) 301

Vallejo, R., see Alciaturi, C.E., (436) (2001) 265

Van Aelst, S., see Rousseeuw, P.J., (446) (2001) 245

Van den Bedem, J.W., see Zhi, Z.-L., (442) (2001) 207

van den Berg, C.M., see Fischer, E., (432) (2001) 11

van Elteren, J.T., see Šlejkovec, Z., (443) (2001) 277

Van Emon, J.M., see Chuang, J.C., (444) (2001) 87

Van Emon, J.M., see Johnson, J.C., (428) (2001) 191

Van Es, R.M, Setford, S.J., Blankwater, Y.J. and Meijer, D., Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, (429) (2001) 37

Van Grieken, R., see Osán, J., (446) (2001) 211

Van Gyseghem, E., see Vannecke, C., (446) (2001) 413

van Staden, J.F., see Pillay, P., (440) (2001) 45

Van Vooren, L., see De Spiegeleer, B., (446) (2001) 345

Van Vyncht, G., see Dabrio, M., (435) (2001) 319

Van Wie, B.J., see Leatzow, D.M., (435) (2001) 299

Vander Donckt, E., see Charles, S., (440) (2001) 37

Vander Heyden, Y., see Vannecke, C., (446) (2001) 413

Vannecke, C., Van Gyseghem, E., Bloomfield, M.S., Coomber, T., Vander Heyden, Y. and Massart, D.L., Development of a generic flow injection analysis method for compounds with a secondary amine or amide function, using an experimental design approach. I. Selection and evaluation of the FIA system parameters, (446) (2001)413

Vanrolleghem, P.A., see Verdonck, F.A., (446) (2001) 429

Varmuza, K., see Yoshida, H., (446) (2001) 485

Vassileva, E., Becker, A. and Broekaert, J.A.C., Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, (441) (2001) 135

Vazquez-Duhalt, R., see Castro, B., (435) (2001) 83

Vera, S., see García, L., (434) (2001) 193

Verdonck, F.A., Jaworska, J., Thas, O. and Vanrolleghem, P.A., Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, (446) (2001) 429

Verdú-Andrés, J., see Tortajada-Genaro, L.A., (450) (2001) 155

Verma, K.K., see Mishra, S., (439) (2001) 115

Vermeulen, E.S., see Marchais, S., (426) (2001) 85

Vicente, S., Borges, E.P., Reis, B.F. and Zagatto, E.A., Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, (438) (2001) 3

Vieira, J.A., Raimundo Jr., I.M. and Reis, B.F., Turbidimetric determination of sulphate employing gravity flow-based systems, (438) (2001) 75

Vigneau, O., Pinel, C. and Lemaire, M., Ionic imprinted resins based on EDTA and DTPA derivatives for lanthanides(III) separation, (435) (2001) 75

Vijgenboom, E., see Streffer, K., (427) (2001) 201

Vilhena, M.F., see Correia dos Santos, M.M., (441) (2001) 191

Villanueva-Camañas, R.M., see Escuder-Gilabert, L., (448) (2001)

Villanueva-Camañas, R.M., see Martín-Biosca, Y., (443) (2001) 191

Villarroya, I., see Blanco, M., (434) (2001) 133

Villet, A., see Peyrin, E., (428) (2001) 83

Viñas, P., see Pardo-Martínez, M., (441) (2001) 29

Viron, C., see Cahours, X., (441) (2001) 15

Visani, P., see Frank, M., (431) (2001) 11

Visani, V., see Kawakami Harrop Galvão, R., (443) (2001) 107

Visco, G., see Campanella, L., (426) (2001) 235

Vitamvásová-Štěrbová, D., see Klejdus, B., (450) (2001) 81

Vives, M., Tauler, R., Moreno, V. and Gargallo, R., Study of the interaction of a cis-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, (446) (2001) 439

Vivó-Truyols, G., see López-Grío, S.J., (433) (2001) 187

Vladimirova, L., see Nedeltcheva, T., (437) (2001) 259

Vlasov, Y., see Mourzina, Y., (433) (2001) 103

Vílchez, J.L., Ballesteros, O., Taoufiki, J., Sánchez-Palencia, G. and Navalón, A., Determination of the antibacterial norfloxacin in human urine and serum samples by solid-phase spectrofluorimetry, (444) (2001) 279

Vîlchez, J.L., Valencia, M.C., Navalón, A., Molinero-Morales, B. and Capitán-Vallvey, L.F., Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection, (439) (2001) 299

Vílchez, J.L., Zafra, A., González-Casado, A., Hontoria, E. and del Olmo, M., Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatography-mass spectrometry, (431) (2001) 31

Vlessidis, A.G., see Yao, D., (435) (2001) 273

Vlessidis, A.G., see Yao, D., (450) (2001) 63

Vogt, F., Tacke, M., Jakusch, M. and Mizaikoff, B., Erratum to "A UV spectroscopic method for monitoring aromatic hydrocarbons dissolved in water" [Analytica Chimica Acta 422 (2000) 187-198], (431) (2001) 167

Volf, R., see Krondak, M., (448) (2001) 19

Volka, K., see Záruba, K., (437) (2001) 39

Voorspoels, J., see De Spiegeleer, B., (446) (2001) 345

Voštiar, I., see Tkáč, J., (439) (2001) 39

Vulfson, E.N., see Castro, B., (435) (2001) 83



Wagatsuma, K., see Danzaki, Y., (447) (2001) 171

Wagner, J.F.V., see Fichet, P., (429) (2001) 269

Wagner, K., Strojek, J.W. and Koziel, K., Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, (447) (2001) 11

Waguespack, B.L., Lillquist, A., Townley, J.C. and Bobbitt, D.R., Evaluation of a tertiary amine labeling protocol for peptides and proteins using Ru(bpy)33+-based chemiluminescence detection, (441) (2001) 231

Waiz, S., Cedillo, B.M., Jambunathan, S., Hohnholt, S.G., Dasgupta, P.K. and Wolcott, D.K., Dispersion in open tubular reactors of various geometries, (428) (2001) 163

Walczak, B., see Pravdova, V., (450) (2001) 131

Walmsley, A.D., see Dane, A.D., (429) (2001) 185

Wamsley, B.N., see Johnson, J.C., (428) (2001) 191

Waßmus, O., see Scheipers, A., (439) (2001) 29

Wanatabe, S., Ito, S., Kamata, Y., Omoda, N., Yamazaki, T., Munakata, H., Kaneko, T. and Yuasa, Y., Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, (427) (2001) 211

Wang, B., see Chen, X., (434) (2001) 255

Wang, C., see Ling, L.S., (436) (2001) 207

Wang, E., Romero, C., Santiago, D. and Syntilas, V., Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, (433) (2001) 89

Wang, E., see Sun, X., (442) (2001) 121

Wang, F., see Gong, B., (427) (2001) 287

Wang, G., see Yu, M., (428) (2001) 209

Wang, G., Yuan, J., Gong, B., Matsumoto, K. and Hu, Z., Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label, (448) (2001) 165

Wang, H., see Guo, M., (443) (2001) 91

Wang, H., see Liu, X., (441) (2001) 45

Wang, H., Zhou, Y., Zhao, Y., Li, Q., Chen, X. and Hu, Z., Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium, (429) (2001) 207

Wang, J. and Hansen, E.H., Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, (435) (2001) 331

Wang, J. and Kawde, A.N., Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, (431) (2001) 219

Wang, J., Ensor, C. Mark, Dubuc, G.J., Narang, S.A. and Daunert, S., Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, (435) (2001) 255

Wang, J., Lu, J., Kirgöz, U.A., Hocevar, S.B. and Ogorevc, B., Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, (434) (2001) 29

Wang, J., Lu, M., Yang, F., Zhang, X., Baeyens, W.R. and García Campaña, A.M., Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, (428) (2001) 173

Wang, J., Mo, J.W., Li, S. and Porter, J., Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, (441) (2001) 183

Wang, J., see He, R., (432) (2001) 151

Wang, J., see Jiang, C., (439) (2001) 307

Wang, J., see Nie, L., (450) (2001) 185

Wang, J., see Zhang, T., (450) (2001) 53

Wang, J.L., Kuo, S.R., Ma, S.S. and Chen, T.Y., Construction of a low-cost automated chromatographic system for the measurement of ambient methane, (448) (2001) 187

Wang, K.M., see Chan, W.H., (444) (2001) 261

Wang, K.M., see Huang, H.M., (439) (2001) 55

Wang, K.M., see Yang, R.H., (432) (2001) 135

Wang, L., see Ni, Y., (431) (2001) 101

Wang, L., see Ni, Y., (439) (2001) 159

Wang, L., see Xu, F., (439) (2001) 239

Wang, L.H. and Tsai, S.J., Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, (441) (2001) 107

Wang, L.H. and Tseng, S.W., Direct determination of p-panthenol and salt of pantothenic acid in cosmetic and pharmaceutical preparations by differential pulse voltammetry, (432) (2001)

Wang, M., see Shi, X.Y., (445) (2001) 221

Wang, W., see Dill, K., (444) (2001) 69

Wang, X., Lei, J., Bi, S., Gan, N. and Wei, Z., Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al^{III}-solochrome violet RS, (449) (2001) 35

Wang, X., see Gong, Z., (450) (2001) 207

Wang, X., Zhao, H., Nie, L., Jin, L. and Zhang, Z., Europium sensitized chemiluminescense determination of rufloxacin, (445) (2001) 169

Wang, X.X., see Cong, X., (444) (2001) 205

Wang, Z., see Ma, Q., (439) (2001) 73

Wang, Z., Shan, X.q. and Zhang, S., Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, (441) (2001) 147

Wang, Z.H., see Su, M.H., (426) (2001) 51

Watanabe, E., Yoshimura, Y., Yuasa, Y. and Nakazawa, H., Immunoaffinity column clean-up for the determination of imazalil in citrus fruits, (433) (2001) 199

Watanabe, H., Satake, A., Kido, Y. and Tsuji, A., Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, (437) (2001) 31

Watanabe, I., see Suzuki, H., (431) (2001) 249

Watanabe, S., see Takeda, K., (426) (2001) 105

Watanabe, T., Shan, G., Stoutamire, D.W., Gee, S.J. and Hammock, B.D., Development of a class-specific immunoassay for the type I pyrethroid insecticides, (444) (2001) 119

Watanesk, S., see Liawruangrath, S., (448) (2001) 37

Watarai, H., see Yulizar, Y., (447) (2001) 247

Wedborg, M., see Persson, T., (434) (2001) 179

Wehrens, R., see Kooistra, L., (446) (2001) 97

Wehrli, B., see Jacquinot, P., (432) (2001) 1

Weiß, H., see Borsdorf, H., (440) (2001) 63

Wei, L.F. and Shih, J.S., Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, (437) (2001) 77

Weiß, T., see Scheipers, A., (439) (2001) 29

Wei, X., see Chang, X., (450) (2001) 231

Wei, Y., see Li, L.D., (427) (2001) 29

Wei, Z., see Wang, X., (449) (2001) 35

Weimar, U., see Frank, M., (431) (2001) 11 Wekell, M.M., see Hungerford, J.M., (438) (2001) 123

Weller, M.G., see Zeck, A., (441) (2001) 1

Wen, D. and Olesik, S.V., Chromatography of ionizable positional isomers with methanol-water-carbon dioxide mixtures, (449) (2001) 211

Wen, M., see Guo, Z., (436) (2001) 41

Wencel, D., see Lenarczuk, T., (447) (2001) 23

Wendzinski, F., see Eikermann, D., (436) (2001) 139

Wennrich, L., see Popp, P., (436) (2001) 1

Wenzel, W.W., Kirchbaumer, N., Prohaska, T., Stingeder, G., Lombi, E. and Adriano, D.C., Arsenic fractionation in soils using an improved sequential extraction procedure, (436) (2001) 309

Werner, T., see Huber, C., (449) (2001) 81

Wessa, T., see Stahl, U., (450) (2001) 27

Westbroek, P. and Temmerman, E., In line measurement of chemical oxygen demand by means of multipulse amperometry at a rotating Pt ring Pt/PbO₂ disc electrode, (437) (2001) 95

Wevers, R.A., see Markus, A. Patrick J.A., (429) (2001) 287

Weyrauch, B.N., see Leatzow, D.M., (435) (2001) 299

Wheeler, J.F., see Martin, S.E., (445) (2001) 21

Whitcombe, M.J., see Castro, B., (435) (2001) 83

White, P.C., Lawrence, N.S., Davis, J. and Compton, R.G., Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, (447) (2001) 1 Wieczorek, P., see Rak, M., (433) (2001) 227

Wiedmer, S.K., see Suomi, J., (429) (2001) 91

Wiese, G., see Stroink, T., (444) (2001) 193

Wijayawardhana, C.A., see Kradtap, S., (444) (2001) 13

Wikman, S., see Nicholls, I.A., (435) (2001) 9

Wikström, H.V., see Marchais, S., (426) (2001) 85

Wild, J.R., see Simonian, A.L., (442) (2001) 15 Wild, J.R., see Simonian, A.L., (444) (2001) 179

Wildsmith, S.E., see Wu, W., (446) (2001) 451

Wilkinson, E.A., see Spangler, B.D., (444) (2001) 149

Willems, H.L., see Markus, A. Patrick J.A., (429) (2001) 287

Williams, D.R., see Crouch, A.M., (448) (2001) 231

Willie, S.N., Lam, J.W.H., Yang, L. and Tao, G., On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, (447) (2001) 143

Wilson, G., see Kim, I.S., (450) (2001) 13

Windig, W., Smith, W.F. and Nichols, W.F., Fast interpretation of complex LC/MS data using chemometrics, (446) (2001) 467

Winefordner, J.D., see Bi, M., (435) (2001) 309

Winkley, A.J., see Wu, W., (446) (2001) 451

Winquist, F., see Ivarsson, P., (449) (2001) 59

Winquist, F., see Krantz-Rülcker, C., (426) (2001) 217

Wionczyk, B., Apostoluk, W.a., Prochaska, K. and owski, C.K., Properties of 4-(1'-n-tridecyl)pyridine N-oxide in the extraction and polymer inclusion membrane transport of Cr(VI), (428) (2001) 89

Witek, M.V.A. and Swain, G.M., Aliphatic polyamine oxidation response variability and stability at boron-doped diamond thin-film electrodes as studied by flow-injection analysis, (440) (2001) 119

Withnall, R., see Shadi, I.T., (450) (2001) 115

Witjes, H., Pepers, M., Melssen, W.J. and Buydens, L.M.C., Modelling phase shifts, peak shifts and peak width variations in spectral data sets: its value in multivariate data analysis, (432) (2001) 113

Wojciechowski, K., see Wróblewski, W., (432) (2001) 79

Wolcott, D.K., see Waiz, S., (428) (2001) 163

Wolfbeis, O.S., see Huber, C., (449) (2001) 81

Wolfbeis, O.S., see Panasyuk-Delaney, T., (435) (2001) 157

Wolff Briche, C.S., Harrington, C., Catterick, T. and Fairman, B., Orthodox uncertainty budgeting for high accuracy measurements by isotope dilution inductively coupled plasma-mass spectrometry, (437) (2001) 1

Wolff, E.W., see Planchon, F.A., (450) (2001) 193

Wollenberger, U., see Streffer, K., (427) (2001) 201

Worobiec, A., see Osán, J., (446) (2001) 211

Woroniecka, U.D., see Šlejkovec, Z., (443) (2001) 277

Worsfold, P. and Trojanowicz, M., Flow Analysis 8, Warsaw, Poland, 25-29 June 2000, (438) (2001) 1

Worsfold, P.J., see Achterberg, E.P., (440) (2001) 27

Worsfold, P.J., see Achterberg, E.P., (442) (2001) 1

Worsfold, P.J., see Hanrahan, G., (440) (2001) 55

Wróblewski, W., see Chudy, M., (429) (2001) 347

Wróblewski, W., Wojciechowski, K., Dybko, A., Brzózka, Z., Egberink, R.J., Snellink-Ruël, B.H. and Reinhoudt, D.N., Durable phosphate-selective electrodes based on uranyl salophenes, (432) (2001) 79 Wu, J.W., see Tsai, T.H., (448) (2001) 195

Wu, K., see Chang, X., (450) (2001) 231

Wu, M., see Li, B., (432) (2001) 311

Wu, M.S., see Chen, S.Y., (435) (2001) 357

Wu, P., see Lin, X., (431) (2001) 41

Wu, R.J., see Su, P.G., (449) (2001) 103

Wu, S., see Rajeb, S.B., (432) (2001) 193

Wu, S., see Nie, L., (450) (2001) 185

Wu, T., see Liu, R., (448) (2001) 85

Wu, T.H., see Cheng, T.J., (432) (2001) 101

Wu, W., see Guo, Q., (446) (2001) 85

Wu, W., Wildsmith, S.E., Winkley, A.J., Yallop, R., Elcock, F.J. and Bugelski, P.J., Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, (446) (2001) 451

Wu, X., Cai, R., Zhang, L. and Xiao, M., Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, (448) (2001) 257

Wu, X., see Liu, R., (441) (2001) 303

Wu, X., see Liu, R., (448) (2001) 85

Wu, X.J., see Yu, J.C., (436) (2001) 59

Wu, Y., Hu, B., Peng, T. and Jiang, Z., Low-temperature volatilization of Be acetylacetonate for sample introduction in ETV-ICP-AES, (439) (2001) 153

Wu, Y., see Yin, F., (444) (2001) 271

Wurl, O., Elsholz, O. and Ebinghaus, R., On-line determination of total mercury in the Baltic Sea, (438) (2001) 245

Wust, C.C., see Henke, L., (433) (2001) 31

X

Xavier Rius, F., see Maroto, A., (446) (2001) 133

Xavier Rius, F., see Martínez, A., (446) (2001) 147

Xia, L.W., see Chen, B.M., (444) (2001) 223

Xiao, D., see Huang, H.M., (439) (2001) 55

Xiao, D., see Yang, R.H., (432) (2001) 135

Xiao, M., see Wu, X., (448) (2001) 257

Xiaohai, S., see Tianyou, P., (433) (2001) 255

Xiaoru, W., see Bin, C., (447) (2001) 161

Xiaoyan, H., see Dongling, L., (449) (2001) 237

Xie, M.J., Feng, Y.Q., Da, S.L., Meng, D.Y. and Ren, L.W., Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia-zirconia coated capillary, (428) (2001) 255

Xie, Q., see Yin, F., (444) (2001) 271

Xie, T., see Zhang, Y., (437) (2001) 151

Xie, Y. and Popov, B.N., Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, (448) (2001) 221

Xin-qi, Z., Dong-hui, L., Hong, Z. and Jin-gou, X., Fluorimetric determination of sulfite by the co-quenching effect of formaldehyde and sulfite on the fluorescence of tetra-substituted amino aluminum phthalocyanine, (448) (2001) 71

Xiong, S.X., see Su, M.H., (426) (2001) 51

Xu, B., see Tian, F., (443) (2001) 9

Xu, C.J., Liang, Y.Z., Gong, F. and Cui, H., Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography, (428) (2001) 235

Xu, D. and Katsu, T., O,O,O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, (443) (2001) 235

Xu, F., Gao, M., Shi, G., Wang, L., Zhang, W., Xue, J., Jin, L. and Jin, J., Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by high-performance liquid chromatography, (439) (2001) 239

Xu, H., see Gong, B., (427) (2001) 287

Xu, J.G., see Chen, X.L., (434) (2001) 51

Xu, J.G., see Yang, H.H., (435) (2001) 265

Xu, L. and Zhang, W.J., Comparison of different methods for variable selection, (446) (2001) 477

Xu, N., see Yu, M., (428) (2001) 209

Xu, Q., see Zhang, S., (427) (2001) 45

Xu, Q.S., see Gong, F., (450) (2001) 99

Xu, Y., see Chen, W., (432) (2001) 277

Xue, H., see Li, Y., (448) (2001) 121

Xue, J., see Xu, F., (439) (2001) 239

Xue, Z., see Allain, L.R., (433) (2001) 97

Y

Yafeng, G., see Lin, X., (431) (2001) 41

Yagi, J.i., see Jyonosono, K., (438) (2001) 83

Yallop, R., see Wu, W., (446) (2001) 451

Yamada, M., see Hanaoka, S., (426) (2001) 57

Yamada, S., see Nakamura, M., (428) (2001) 219

Yamada, T., see Nishimoto, J., (428) (2001) 201

Yamashiro, Y., see Arakawa, H., (445) (2001) 197

Yamato, H., see Hirano, K., (443) (2001) 265

Yamazaki, T., see Sode, K., (435) (2001) 151

Yamazaki, T., see Wanatabe, S., (427) (2001) 211

Yamazaki, T., Yilmaz, E., Mosbach, K. and Sode, K., Towards the use of molecularly imprinted polymers containing imidazoles and bivalent metal complexes for the detection and degradation of organophosphotriester pesticides, (435) (2001) 209

Yan, A. and Hu, Z., Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, (433) (2001) 145

Yan, M. and Kapua, A., Fabrication of molecularly imprinted polymer microstructures, (435) (2001) 163

Yan, Y. and Myrick, M.L., Quantitative measurement and discrimination of isochromatic fluorophores based on micelleenhanced steady-state fluorescence polarization in fluid solution, (441) (2001) 87

Yáñez-Sedeño, P., see Pingarrón, J.M., (439) (2001) 281

Yang, C.S., see Chou, S.T., (429) (2001) 331

Yang, F., see Wang, J., (428) (2001) 173

Yang, H.H., see Chen, X.L., (434) (2001) 51

Yang, H.H., Zhu, Q.Z., Li, D.H., Chen, L.X., Ding, M.T. and Xu, J.G., New mimetic enzymatic sandwich immunoassay system by using oligo(N-isopropylacrylamide) with an active terminal group as a separating support, (435) (2001) 265

Yang, J. and Tsai, S.S., Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions, (436) (2001) 31

Yang, J. and Tsui, C.P., Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler, (442) (2001) 267

Yang, J., see Liu, R., (441) (2001) 303

Yang, J., see Liu, R., (448) (2001) 85

Yang, L., see Willie, S.N., (447) (2001) 143

Yang, L.L., see Ha, J., (448) (2001) 145

Yang, L.I., Zhang, D.q. and Yuan, Z.b., Enantioseparation of ophthaldiadehyde derivatized amino acids using β-CD-modified micellar electrokinetic chromatography in the mixed aqueousorganic media, (433) (2001) 23

Yang, M., see Huang, M., (440) (2001) 109

Yang, Q. and Khots, M.S., Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, (432) (2001) 125

Yang, R.H., see Chan, W.H., (444) (2001) 261

Yang, R.H., see Huang, H.M., (439) (2001) 55

Yang, R.H., Wang, K.M., Xiao, D., Luo, K. and Yang, X.H., Flow injection renewable drops technique for assay of micro-amounts of DNA, (432) (2001) 135

Yang, T.I., see Pai, S.C., (434) (2001) 209

Yang, X., see Chang, X., (450) (2001) 231

Yang, X., see Sun, X., (442) (2001) 121

Yang, X.F. and Guo, X.Q., Study of nitroxide-linked naphthalene as a fluorescence probe for hydroxyl radicals, (434) (2001) 169

Yang, X.H., see Huang, H.M., (439) (2001) 55

Yang, X.H., see Yang, R.H., (432) (2001) 135

Yano, K., see Han, T.S., (431) (2001) 225

Yano, K., see Kim, Y.C., (432) (2001) 59

Yao, D., Prodromidis, M.I., Vlessidis, A.G., Karayannis, M.I. and Evmiridis, N.P., Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection, (450) (2001) 63

Yao, D., Vlessidis, A.G. and Evmiridis, N.P., On-line monitoring of nitric oxide complexed with porphyrine-bearing biochemical materials by using flow injection with chemiluminescence detection, (435) (2001) 273

Yao, S., see Yin, F., (444) (2001) 271

Yarnitzky, C.N., see Belostotsky, I., (429) (2001) 215

Ye, L., Cormack, P.A. and Mosbach, K., Molecular imprinting on microgel spheres, (435) (2001) 187

Yebra, M.C., Cespón, R.M. and Moreno-Cid, A., Automatic determination of ascorbic acid by flame atomic absorption spectrometry, (448) (2001) 157

Yeh, H.C. and Lin, W.Y., Intense chemiluminescence from the oxidation of luminol with m-chloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, (442) (2001) 71

Yeung, J.M., see Mohammed, I., (444) (2001) 97

Yilmaz, E., see Yamazaki, T., (435) (2001) 209

Yin, F., Zhang, Y., Wu, Y., Cai, Y., Xie, Q. and Yao, S., Study of bovine serum albumin adsorption onto a silicon dioxide surface using a ring-electrode piezoelectric sensor, (444) (2001) 271

Yin, R., see Ong, K.K., (444) (2001) 143

Yokoyama, T., Macka, M. and Haddad, P.R., Determination of association constants of inorganic ions with C₁₂- and C₁₄-alkyl-dimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, (442) (2001) 221

Yoneyama, T., see Kawakami Harrop Galvão, R., (443) (2001) 107
Yordanov, N.D., Novakova, E. and Lubenova, S., Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, (437) (2001) 131

Yoshida, H., Leardi, R., Funatsu, K. and Varmuza, K., Feature selection by genetic algorithms for mass spectral classifiers, (446) (2001) 485

Yoshida, T., see Kurihara, K., (426) (2001) 11

Yoshida, Z., see Takeishi, H., (431) (2001) 69

Yoshimoto, M., see Aizawa, H., (437) (2001) 167

Yoshimura, Y., see Watanabe, E., (433) (2001) 199

You, J., Zhang, W. and Zhang, Y., Simple derivatization method for sensitive determination of fatty acids with fluorescence detection by high-performance liquid chromatography using 9-(2-hydroxyethyl)-carbazole as derivatization reagent, (436) (2001) 163

Young, S., see Zaruk, D., (444) (2001) 163

Yousefi, M., see Ganjali, M.R., (440) (2001) 81

Yu, H., see Zhou, T., (441) (2001) 23

Yu, H.,, see Blake, D.A., (444) (2001) 3

Yu, J.C., Wu, X.J. and Chen, Z., Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry, (436) (2001) 59

Yu, M., Tian, W., Sun, D., Shen, W., Wang, G. and Xu, N., Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, (428) (2001) 209

Yu, R.Q., see Chen, Z.P., (444) (2001) 295

Yu, R.Q., see Zhang, X.B., (439) (2001) 65

Yu, Y. and Li, Q., Studies on the interaction of paclitaxel with tubulin by an electrochemical method, (436) (2001) 147

Yu, Y.C., see Easwaramoorthy, D., (439) (2001) 95

Yu, Z., see Vachirapatama, N., (434) (2001) 301

Yuan, J., see Wang, G., (448) (2001) 165

Yuan, X., see Stenken, J.A., (436) (2001) 21

Yuan, Z., see Zhao, H., (441) (2001) 117

Yuan, Z.b., see Yang, L.l., (433) (2001) 23

Yuasa, Y., see Wanatabe, S., (427) (2001) 211 Yuasa, Y., see Watanabe, E., (433) (2001) 199

Yulizar, Y., Ohashi, A. and Watarai, H., Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, (447) (2001) 247

Yunus, S., see Charles, S., (440) (2001) 37

7

Zafra, A., see Vîlchez, J.L., (431) (2001) 31 Zagatto, E.A., see Honorato, R.S., (441) (2001) 309 Zagatto, E.A., see Vicente, S., (438) (2001) 3

Zaijun, L., Jiaomai, P. and Jan, T., Spectrophotometric method for determination of germanium in foods with new color reagent trimethoxylphenylfluorone, (445) (2001) 153

Zampieri, S., see Ugo, P., (434) (2001) 291

Zampronio, C.G., Moraes, L.A.B., Eberlin, M.N. and Poppi, R.J., Multivariate curve resolution applied to MS/MS data obtained from isomeric mixtures, (446) (2001) 495

Zanardi-Lamardo, E., Clark, C.D. and Zika, R.G., Frit inlet/frit outlet flow field-flow fractionation: methodology for colored dissolved organic material in natural waters, (443) (2001) 171

Zander, W., see Mourzina, Y., (433) (2001) 103

Zareh, M.M., Malinowska, E. and Kasiura, K., Plasticized poly(-vinyl chloride) membrane electrode for the determination of quinine in soft drinks, (447) (2001) 55

Záruba, K., Tománková, Z., Sýkora, D., Charvátová, J., Kavenová, I., Bouř, P., Matějka, P., Fähnrich, J., Volka, K. and Král, V., Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, (437) (2001) 39

Zaruk, D., Comba, M., Struger, J. and Young, S., Comparison of immunoassay with a conventional method for the determination of Diazinon[®] in surface waters, (444) (2001) 163

Zeck, A., Eikenberg, A., Weller, M.G. and Niessner, R., Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, (441) (2001) 1

Zen, J.M., Chen, H.P. and Senthil Kumar, A., Disposable claycoated screen-printed electrode for amitrole analysis, (449) (2001) 95

Zeng, X., see Chen, L., (437) (2001) 191

Zeng, X., see Chen, L., (447) (2001) 41

Zeng, Y.E., see Ling, L.S., (436) (2001) 207

Zenobi, R., see de Groot, P.J., (446) (2001) 71

Zhang, C., Gao, Q. and Aizawa, M., Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, (426) (2001) 33

Zhang, C., Haruyama, T., Kobatake, E. and Aizawa, M., Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, (442) (2001) 257

Zhang, C., see Sun, W., (434) (2001) 43

Zhang, D.Q., see Ha, J., (448) (2001) 145

Zhang, D.q., see Yang, L.l., (433) (2001) 23

Zhang, H., see Gimpel, J., (448) (2001) 93

Zhang, H.S., see Liu, X., (441) (2001) 45

Zhang, J., see Chen, X., (434) (2001) 255

Zhang, J., see Jiang, Y.C., (435) (2001) 351

Zhang, J., see Li, J.N., (431) (2001) 81

Zhang, J.Z., Kelble, C. and Millero, F.J., Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell, (438) (2001) 49

Zhang, L., Chen, G., Hu, Q. and Fang, Y., Separation and determination of levodopa and carbidopa in composite tablets by capillary zone electrophoresis with amperometric detection, (431) (2001) 287

Zhang, L., see Hu, Q., (437) (2001) 123

Zhang, L., see Wu, X., (448) (2001) 257

Zhang, P., see Chen, C., (439) (2001) 19

Zhang, S. and Li, H., Flow-injection chemiluminescence sensor for the determination of isoniazid, (444) (2001) 287

Zhang, S., see Sun, W., (434) (2001) 43

Zhang, S., see Wang, Z., (441) (2001) 147

Zhang, S., Xu, Q., Zhang, W., Jin, L. and Jin, J.Y., In vivo monitoring of the monoamine neurotransmitters in rat brain using microdialysis sampling with liquid chromatography electrochemical detection, (427) (2001) 45

Zhang, S., Zhao, H. and John, R., A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, (441) (2001) 95

Zhang, S.Z., Zhao, F.L., Li, K.A. and Tong, S.Y., Determination of glycogen by Rayleigh light scattering, (431) (2001) 133

Zhang, T. and Brajter-Toth, A., High sensitivity in particle beam mass spectrometry with a non-volatile electrolyte, (442) (2001) 97

Zhang, T., Liu, F., Chen, W., Wang, J. and Li, K., Influence of intramolecular hydrogen bond of templates on molecular recognition of molecularly imprinted polymers, (450) (2001) 53

Zhang, W., see Shimomura, M., (434) (2001) 223

Zhang, W., see Xu, F., (439) (2001) 239

Zhang, W., see You, J., (436) (2001) 163

Zhang, W., see Zhang, S., (427) (2001) 45

Zhang, W.J., see Xu, L., (446) (2001) 477

Zhang, W.R., see Chen, B.M., (444) (2001) 223

Zhang, X., Fakler, A. and Spichiger, U.E., Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, (445) (2001) 57

Zhang, X., see Wang, J., (428) (2001) 173

Zhang, X., Zheng, J. and Gao, H., Curve fitting using wavelet transform for resolving simulated overlapped spectra, (443) (2001) 117

Zhang, X.B., Li, Z.Z., Guo, C.C., Chen, S.H., Shen, G.L. and Yu, R.Q., Porphyrin–metalloporphyrin composite based optical fiber sensor for the determination of berberine, (439) (2001) 65

Zhang, Y., Mo, J., Xie, T., Cai, P. and Zou, X., Application of spline wavelet self-convolution in processing capillary electrophoresis overlapped peaks with noise, (437) (2001) 151

Zhang, Y., see Yin, F., (444) (2001) 271

Zhang, Y., see You, J., (436) (2001) 163

Zhang, Y., see Zhao, H., (441) (2001) 117

Zhang, Z., see Chen, L., (437) (2001) 191

Zhang, Z., see Chen, L., (447) (2001) 41

Zhang, Z., see Li, B., (432) (2001) 95

Zhang, Z., see Li, B., (432) (2001) 311

Zhang, Z., see Li, B., (445) (2001) 161

Zhang, Z., see Sun, W., (434) (2001) 43 Zhang, Z., see Wang, X., (445) (2001) 169

Zhang, Z., see Zheng, X., (440) (2001) 143

Zhang, Z., see Zheng, X., (441) (2001) 81

Zhang, Z., Zhuo, H., Liu, S. and Harrington, P.d.B., Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, (436) (2001) 281

Zhang, Z.Q., see Jiang, Y.C., (435) (2001) 351

Zhao, C. and Song, J., Flow-injection biamperometry for direct determination of hydroxylamine at two pretreated platinum electrodes, (434) (2001) 261

Zhao, F.L., see Zhang, S.Z., (431) (2001) 133

Zhao, H., see Morris, K., (442) (2001) 129

Zhao, H., see Wang, X., (445) (2001) 169

Zhao, H., see Zhang, S., (441) (2001) 95

Zhao, H., Zhang, Y. and Yuan, Z., Study on the electrochemical behavior of dopamine with poly(sulfosalicylic acid) modified glassy carbon electrode, (441) (2001) 117

Zhao, J. and Olesik, S.V., Separation of dimer acids using enhancedfluidity liquid chromatography, (449) (2001) 221

Zhao, L., see Li, B., (445) (2001) 161

Zhao, S. and Liu, Y.M., Enantioseparation of underivatized amino acids by capillary electrophoresis using copper(II)-(S)-3-aminopyrrolidine-L-histidine ternary complex as the chiral selector, (426) (2001) 65

Zhao, Y., see Wang, H., (429) (2001) 207

Zheng, H., see Chen, X.L., (434) (2001) 51

Zheng, J., see Zhang, X., (443) (2001) 117

Zheng, L., see Nie, L., (450) (2001) 185

Zheng, X., Guo, Z. and Zhang, Z., Flow-injection electrogenerated chemiluminescence determination of epinephrine using luminol, (441) (2001) 81

Zheng, X., Mei, Y. and Zhang, Z., Flow-injection chemiluminescence determination of tetracyclines with in situ electrogenerated bromine as the oxidant, (440) (2001) 143

Zhi, Z.-L., Meyer, U.J., Van den Bedem, J.W. and Meusel, M., Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, (442) (2001) 207

Zhou, F., see Briseno, A.L., (441) (2001) 123

Zhou, Q., see Briseno, A.L., (441) (2001) 123

Zhou, T., Hu, Q., Yu, H. and Fang, Y., Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, (441) (2001) 23

Zhou, T., see Hu, Q., (437) (2001) 123

Zhou, Y., see Wang, H., (429) (2001) 207

Zhu, G., see Tian, F., (443) (2001) 9

Zhu, L., see Tian, F., (443) (2001) 9

Zhu, Q.Z., see Chen, X.L., (434) (2001) 51

Zhu, Q.Z., see Yang, H.H., (435) (2001) 265

Zhuo, H., see Zhang, Z., (436) (2001) 281

Zi-Hui, M. and Qin, L., Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, (435) (2001) 121

Zika, R.G., see Zanardi-Lamardo, E., (443) (2001) 171

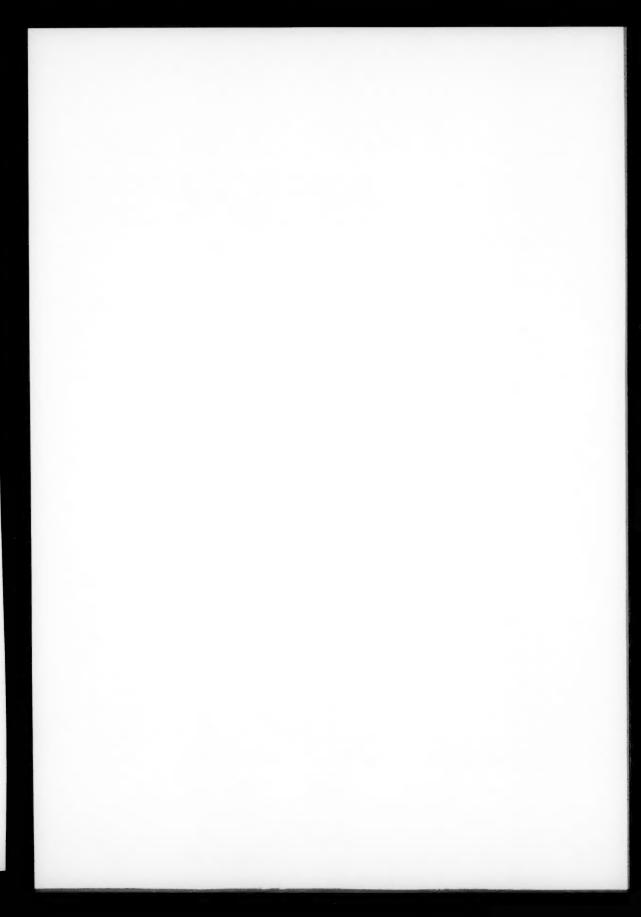
Zimmermann, S., Menzel, C.M., Berner, Z., Eckhardt, J.D., Stüben, D., Alt, F., Messerschmidt, J., Taraschewski, H. and Sures, B., Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, (439) (2001) 203

Zou, H., see Guo, M., (443) (2001) 91

Zou, X., see Zhang, Y., (437) (2001) 151

Zucheng, J., see Tianyou, P., (433) (2001) 255

Zyrnicki, W., see Pohl, P., (429) (2001) 135



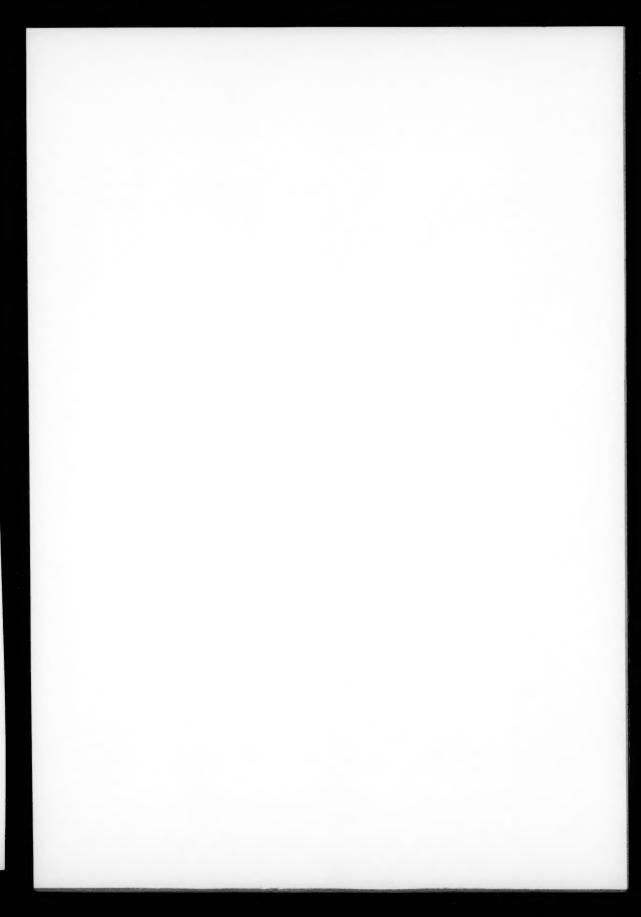


Analytica Chimica Acta 451 (2002) 49-179

ANALYTICA CHIMICA ACTA

www.elsevier.com/locate/aca

Cumulative Subject Index Analytica Chimica Acta Volumes 426–450, 2001





Absorption

Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, 434 (2001) 113

Absorption spectra

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

Accumulation

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Accuracy

Orthodox uncertainty budgeting for high accuracy measurements by isotope dilution inductively coupled plasma-mass spectrometry, 437 (2001) 1

Accuracy assessment

Sequential injection analysis of captopril based on colorimetric and potentiometric detection, 438 (2001) 31

Acetaminophen

Rapid spectrophotometric method for the quantitation of acetaminophen in serum, 443 (2001) 165

Acetamiprid

Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, 427 (2001) 211

Acetone

Thickness-shear-mode acoustic wave sensor for acetone vapour coated with C-ethylcalix[4]resorcinarene and C-H·· π interactions as a molecular recognition mechanism, 448 (2001) 47

Acetycholinesterase

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Acetylacetone

Low-temperature volatilization of Be acetylacetonate for sample introduction in ETV-ICP-AES, 439 (2001) 153

Acetylcholinesterase

Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, 434 (2001) 239

Acetylcholinesterase inhibitors

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Acetylsalicylic acid

New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117

Acid digestion

Determination of Si and Cu in Al target metal used in a semiconductor process by inductively coupled plasma-atomic emission spectrometry, 429 (2001) 145

Method comparison for the determination of total cyanide in deposited blast furnace sludge, 435 (2001) 377

Acid dissociation

Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study, 434 (2001) 157

Acid dissociation constant

Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile-water mixtures, 437 (2001) 309

Acid phosphatase enzyme

Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol, 441 (2001) 207

Acid titration

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Acid-base properties

Application of potentiometry to characterize acid and basic sites in humic substances. Testing the BEST7 program with a weak-acid mixture, 445 (2001) 89

Acid-base titrations

Continuous on-line true titrations by feedback based flow ratiometry: application to potentiometric acid-base titrations, 435 (2001) 289

Acidic eluent

Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, 439 (2001) 255

Acidity

Acidity in methanol-water, 439 (2001) 315

Acridine

Evaluation of food antioxidant activity by photostorage chemiluminescence, 433 (2001) 263

Acriflavine

Flow-injection analysis study of the chemiluminescent behaviour of proflavine and acriflavine, 438 (2001) 149

Actinides

Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, 443 (2001) 81

Activated carbon

Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon, 426 (2001) 79

Activated composite membrane

Facilitated transport and separation of aromatic amino acids through activated composite membranes, 431 (2001) 59

Activated partial thromboplastin time (aPTT)

Determination of heparin levels in blood with activated partial thromboplastin time by a piezoelectric quartz crystal sensor, 432 (2001) 101

Activation

Re-activation of an all solid state oxygen sensor, 437 (2001) 183

Activity coefficient of proton

General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, 428 (2001) 309

Activity coefficients

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

4-Acyl-5-pyrazolone

Lanthanoid ion-selective solvent polymeric membrane electrode based on 1-phenyl-3-methyl-4-octadecanoyl-5-pyrazolone, 443 (2001) 41

Additive properties

General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, 428 (2001) 309

Additives

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

ADD-ONE-UP

Efficient way to estimate the optimum number of factors for trilinear decomposition, 444 (2001) 295

Adduct

Electrochemical DNA biosensor for the determination of benzo[a]pyrene–DNA adducts, 450 (2001) 45

Adenine

Investigation into the scope and limitations of molecular imprinting with DNA molecules, 435 (2001) 65

ADMA

Simultaneous determination of L-arginine and dimethylarginines in human urine by high-performance liquid chromatography, 444 (2001) 223

Adrenaline

Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

β-Adrenolytics

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Adsorption

Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, 428 (2001) 209

Adsorption, preconcentration and separation of cations on silica gel chemically modified with the herbicide 2,4-dichlorophenoxyacetic acid, 432 (2001) 201

Adsorption stripping voltammetry

Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al^{III}-solochrome violet RS, 449 (2001) 35

Adsorption voltammetry

Adsorption voltammetry of the mix-polynuclear complex of zirconium-calcium-alizarin red S at a carbon paste electrode, 431 (2001) 81

Adsorptive cathodic stripping voltammetry

Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203

Adsorptive stripping voltammetry

Voltammetric determination of the insecticide buprofezin in soil and water, 432 (2001) 21

Adsorptive-catalytic stripping voltammetry

Sensitive and very selective determination of titanium by adsorptivecatalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, 427 (2001) 55

Adulteration

Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195

Aequorin

Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, 435 (2001) 255

Aerosol

Use of capillary electrophoresis in the analysis of aerosol and bulk/ dry deposition collected on a daily basis, 427 (2001) 259

Aerosol source apportionment

Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329

Aerosol source characterization

Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329

Aflatoxins

Novel colorimetric immunoassay for the detection of aflatoxin B₁, 444 (2001) 187

Ageing simulation

Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, 444 (2001) 241

Aggregation

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281

Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

B-Agonists

Separation and determination of β -agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

Agricultural inputs

Comparison of immunoassay with a conventional method for the determination of Diazinon ^R in surface waters, 444 (2001) 163

Air analysis

Venturi-scrubber pre-concentration technique for electrochemical detection of airborne lead traces, 429 (2001) 215

Air/liquid interface

Determination of proteins with $\alpha, \beta, \gamma, \delta$ -tetrakis(4-sulfophenyl)porphine by measuring the enhanced resonance light scattering at the air/liquid interface, 443 (2001) 73

Air/water fluxes

In situ high temporal resolution analysis of elemental mercury in natural waters, 447 (2001) 153

Airborne estrogenic steroids

Simple dip strip ELISA for airborne estrogenic steroids, 444 (2001) 79

Air-drying

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Al target metal

Determination of Si and Cu in Al target metal used in a semiconductor process by inductively coupled plasma-atomic emission spectrometry, 429 (2001) 145

Al(III)

Study of the interaction of protein and dibromomethyl-Arsenazo-Al(III) by Rayleigh light-scattering technique, 442 (2001) 249

Albumin

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103

Alcaptonuria

New technique for diagnosis and monitoring of alcaptonuria: quantification of homogentisic acid in urine with mid-infrared spectrometry, 429 (2001) 287

Alcohol

Detection of alcohols using UV-ion mobility spetrometers, 431 (2001) 293

Alcohol oxidase

Conductometric formaldehyde sensitive biosensor with specifically adapted analytical characteristics, 445 (2001) 47

Alcohol sensor

Optical alcohol sensor using lipophilic Reichardt's dyes in polymer membranes, 432 (2001) 269

Aldehydes

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

Algae

Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, 440 (2001) 3

Algae cultivation

Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, 448 (2001) 239

Algal toxin

Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, 441 (2001) 1

Aliphatic amines

Determination of primary and secondary aliphatic amines by *N*-hydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate and reversed-phase high-performance liquid chromatography, 441 (2001) 45

Alkaline extraction

Method comparison for the determination of total cyanide in deposited blast furnace sludge, 435 (2001) 377

Alkaline phosphatase

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Alkalinity

Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291

Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, 448 (2001) 239

Alkanethiol

Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

Alkyl polyglucosides

Determination and prediction of the average polymerization degree of alkyl polyglucosides, 440 (2001) 231

Alkyl substituent

Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,N'-bis(2-pyridylmethylidene)-1,2diiminoethane and its analogues, 441 (2001) 157

Alkylbenzenes

Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, 433 (2001) 145

Alkylphenol polyethoxylates

Potentiometric flow injection system for the determination of polyethoxylate nonionic surfactants using tubular ion-selective electrodes, 438 (2001) 305

Allergens

Is biosensor a viable method for food allergen detection?, 444 (2001)

Allergy

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

Allicin

Determination of diallyl thiosulfinate (allicin) in garlic (Allium sativum L.) by high-performance liquid chromatography with a post-column photochemical reactor, 441 (2001) 37

Allium sativum L.

Determination of diallyl thiosulfinate (allicin) in garlic (Allium sativum L.) by high-performance liquid chromatography with a post-column photochemical reactor, 441 (2001) 37

Alloaromadendrene

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Allopurinol

Determination of allopurinol and its active metabolite oxypurinol by capillary electrophoresis with end-column amperometric detection, 442 (2001) 121

Alloy formation

Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, 434 (2001) 29

Alloys

Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, 444 (2001) 309

All-solid-state

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103 Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

ALS

Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, 449 (2001) 143

Alternative fluorocarbons

Comparison of gas chromatography detection limits and relative responses of common alternative fluorocarbons using electron capture, atomic emission, and mass spectrometry detection, 433 (2001) 181

Aluminium

Sensitive and selective determination of aluminium by peroxyoxalate chemiluminescence detection of the lumogallion complex, 443 (2001) 269

Flow-injection solvent extraction with and without phase separation.

Fluorimetric determination of aluminium in water, 447 (2001)

211

Aluminum

Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, 437 (2001) 217

Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al^{III}-solochrome violet RS, 449 (2001) 35

Aluminum determination

Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, 441 (2001) 309

Aluminum rocks assay

Novel potentiometric membrane sensor for selective determination of aluminum(III) ions, 434 (2001) 247

Aluminum sensor

Novel potentiometric membrane sensor for selective determination of aluminum(III) ions, 434 (2001) 247

Amberlite CG 50

Investigation of the metal species in seawater by sorption of the metal ion on complexing resins with different sorbing properties, 449 (2001) 23

Ambient air

Optimised chromatographic method for the measurement of selected polychlorinated biphenyls in ambient air, 440 (2001) 223

Americium

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Amiloride

Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, 449 (2001) 179

Amines

Atmospheric pressure ion mobility spectrometry studies of cyclic and acyclic polyethers, 436 (2001) 273

Analysis of solid samples by capillary electrophoresis using a gas extraction sampling device in a flow system, 438 (2001) 315

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Amino acid

Facilitated transport and separation of aromatic amino acids through activated composite membranes, 431 (2001) 59

Enantioseparation of o-phthaldiadehyde derivatized amino acids using β -CD-modified micellar electrokinetic chromatography in the mixed aqueous-organic media, 433 (2001) 23

Amino acid enantiomers

Enantioseparation of underivatized amino acids by capillary electrophoresis using copper(II)-(S)-3-aminopyrrolidine-t-histidine ternary complex as the chiral selector, 426 (2001) 65

Amino acid esters

Molecular recognition of amino acid esters in liquid polymeric membrane ion-selective electrodes, 448 (2001) 19

Amino acridines

Flow-injection analysis study of the chemiluminescent behaviour of proflavine and acriflavine, 438 (2001) 149

Aminoglycoside

Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37

Aminophosphonates

Supported liquid membrane extraction of aromatic aminophosphonates, 433 (2001) 227

4-Aminopyridine

Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, 442 (2001) 105

Amitrole

Disposable clay-coated screen-printed electrode for amitrole analysis, 449 (2001) 95

Ammonia

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21

Integrated analytical pervaporation-gas-phase absorptiometry: theoretical aspects and applications, 434 (2001) 81

pH and buffering capacity problems involved in the determination of ammonia in saline water using the indophenol blue spectro-photometric method, 434 (2001) 209

Ammonium

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21

Alternative method for the measurement of ammonium nitrogen in wastewater, 437 (2001) 145

Amoxicillin

Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, 431 (2001) 279

Amperometric biosensor

Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, 434 (2001) 255

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Amperometric detection (dc)

Separation and determination of levodopa and carbidopa in composite tablets by capillary zone electrophoresis with amperometric detection, 431 (2001) 287

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines $NH_2(CH_2)_nNH_2$ (n = 2-10), 436 (2001) 333

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine, 439 (2001) 281

Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, 442 (2001) 207

Amperometric detection of NO and NO₂ in the ppb range with solidpolymer electrolyte membrane supported noble metal electrodes, 443 (2001) 53

Amperometric sensor

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Amperometry

Rapid detection of *Escherichia coli* in water by a culture-based amperometric method, 427 (2001) 149

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Flow injection amperometry for the determination of iodate in iodized table salt, 438 (2001) 299

Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, 448 (2001) 9

Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrolehydrogel membrane, 448 (2001) 27

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

AMPS

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Anabolic agents

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

Anabolics

Gas chromatography—mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, 434 (2001) 59

Anaerobic digestion

Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291

Anaesthetic

Molecular imprinting of a small substituted phenol of biological importance, 435 (2001) 49

Analysis

Organic phase enzyme electrodes: applications and theoretical studies, 426 (2001) 235

Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, 439 (2001) 1

Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, 447 (2001) 1

Analysis of liquids

Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, 429 (2001) 269

Analytical chemistry

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171

Analytical error

Hysteresis in optical sensing and its impact on the analytical error of a calibration-free acid sensor, 433 (2001) 97

Analytical method

Multiple analytical method comparison using maximum livelihood principal component analysis and linear regression with errors in both axes, 446 (2001) 147

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

Analytical pervaporation

Integrated analytical pervaporation-gas-phase absorptiometry: theoretical aspects and applications, 434 (2001) 81

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

α and β MT clusters

Study of complexing properties of the α and β metallothionein domains with cadmium and/or zinc using electrospray ionisation mass spectrometry, 435 (2001) 319

Anilide herbicides

Electrochemical oxidation of propanil and related N-substituted amides, 434 (2001) 35

Aniline

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Animal tissue

Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203

Anion

Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor, 439 (2001) 273

Anion exchange

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, 436 (2001) 79

Anion influence on retention times

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines $NH_2(CH_2)_nNH_2$ (n = 2-10), 436 (2001) 333

Anion optical response

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

Anion selective electrodes

Potentiometric and spectroscopic characterization of anion selective electrodes based on metal(III) porphyrin ionophores in polyurethane membranes, 432 (2001) 67

Anion-exchange

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135

Anionic pH dye

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

Anions determination

An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11

Anion-selectivity

Durable phosphate-selective electrodes based on uranyl salophenes, 432 (2001) 79

Anisidine value

Direct olive oil anisidine value determination by flow injection, 448 (2001) 201

ANNS

Application of diffuse reflectance infrared Fourier transform spectroscopy combined with artificial neural networks in analysing enantiomeric purity of terbutaline sulphate bulk drug, 449 (2001) 157

Anodic stripping voltammetric analysis

Screen-printed anodic stripping voltammetric sensor containing HgO for heavy metal analysis, 443 (2001) 241

Anodic stripping voltammetry

Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, 437 (2001) 217

ANOVA

Deductive prediction of precision and detection limit in bioluminescent measurement systems, 441 (2001) 243

Antagonist

Screening method for antagonists that inhibit the binding of calmodulin to a target peptide using surface plasmon resonance, 447 (2001) 63

Antarctica

Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, 450 (2001) 193

Anthracene

Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, 427 (2001) 137

Anthracycline antitumor drugs

Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, 443 (2001) 63

Anthrylazamacrocycle

Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001) 37

Antibiotics

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Antibodies

Antibodies and antibody-based assays for hexavalent uranium, 444 (2001) 3

Antibody

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Development of an immunoaffinity-based solid-phase extraction for diazinon, 444 (2001) 37

Antibody-antigen reactions

Dendrimer enhanced immunosensors for biological detection, 444 (2001) 143

Anticaries

Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, 441 (2001) 107

Anticholinesterase pesticides

Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents, 431 (2001) 231

Antidepressive drugs

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β-cyclodextrin or carboxymethy-lated β-cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Antimony

Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, 429 (2001) 125

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303

Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, 436 (2001) 69

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Antioxidants

Evaluation of food antioxidant activity by photostorage chemiluminescence, 433 (2001) 263

Antiplaque agent

Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, 441 (2001) 107

AOT

Determination of thiamine, riboflavin and pyridoxine in pharmaceuticals by synchronous fluorescence spectrometry in organized media, 434 (2001) 193

Apparent content curves method

Detection and correction of interferences in spectroscopy techniques, 426 (2001) 135

Apparent surface protonation constant

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

Apple juices

Capillary liquid chromatographic determination of neutral phenolic compounds in apple juices, 426 (2001) 111

Aquatic humic substances

Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement, 429 (2001) 65

Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, 429 (2001) 75

Aquatic toxicity

Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography, 443 (2001) 191

Aqueous suspension polymerization

Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, 442 (2001) 105

Aqueous two-phase system

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Archaeometry

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Aromatic amines

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Aromatic amino acids

Reversed-phase high-performance liquid chromatography online with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins, 449 (2001) 243

Arsenate interference

Interference from arsenate when determining phosphate by the malachite green spectrophotometric method, 450 (2001) 247

Arsenazo III

Microfabricated capillary electrophoresis sensor for uranium (VI), 436 (2001) 181

Arsenic

Voltammetric investigations of 2-dimethylarsinyl-ethanol sulphide in NaCl and seawater, 431 (2001) 269

Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303

Arsenic fractionation in soils using an improved sequential extraction procedure, 436 (2001) 309

Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, 440 (2001) 3

Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Arsenic determination

Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, 445 (2001) 229

Arsenic speciation

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, 447 (2001) 229

Arsenobetaine

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, 443 (2001) 277

Arsine generation atomic absorption spectrometry

Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195

Artificial dehydrogenase

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Artificial neural network

- Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium, 429 (2001) 207
- Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281
- Use of circular dichroism and artificial neural networks for the kinetic-spectrophotometric resolution of enantiomers, 431 (2001) 115
- Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, 432 (2001) 229
- Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, 433 (2001) 145
- Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257
- Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001)

Ascorbic acid

- Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, 431 (2001) 239
- Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, 434 (2001) 9
- Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron(III), 435 (2001) 351
- Study on the electrochemical behavior of dopamine with poly(sulfosalicylic acid) modified glassy carbon electrode, 441 (2001) 117
- Voltammetric behavior of α-tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile+ water mixed solvent systems, 441 (2001) 201
- Automatic determination of ascorbic acid by flame atomic absorption spectrometry, 448 (2001) 157
- Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode, 449 (2001) 129

Ascorbic acid and cysteine determination

Simultaneous flow injection determination of ascorbic acid and cysteine using double flow cell, 438 (2001) 21

ASE-GC/MS

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Asparagus

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Assay

Rapid assay for avidin and biotin based on fluorescence quenching, 442 (2001) 79

Assessment of trueness

- Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays, 440 (2001) 171
- Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Association constant

- Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, 427 (2001) 137
- Determination of association constants of inorganic ions with C₁₂-and C₁₄-alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, 442 (2001) 221

Atmospheric pressure chemical ionization

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Atmospheric-sampling glow discharge

Microwave plasma torch — atmospheric-sampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, 445 (2001) 35

Atomic absorption

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Atomic absorption spectrometry

- Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, 431 (2001) 157
- Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303
- Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253
- The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, 439 (2001) 211
- Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229
- Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label, 448 (2001) 165
- Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Atomic absorption spectroscopy

Flow injection system for cadmium preconcentration on poly(octadecyl diitaconate) (PDI-18) and atomic absorption spectrometry detection, 438 (2001) 259

Atomic emission detector

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Atomic emission spectrometry

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion, 440 (2001) 215

Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Atomic emission spectroscopy

Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, 429 (2001) 269

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Atomic fluorescence spectrometry

Speciation of Se(IV) and the selenoamino acids by high-performance liquid chromatography-direct hydride generation-atomic fluorescence spectrometry, 435 (2001) 367

Selenium determination in urine with atomic fluorescence detection, 436 (2001) 215

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Atoms in molecules (AIM)

Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Atrazine

Amperometric separation-free immunosensor for real-time environmental monitoring, 427 (2001) 173

Thickness-shear mode acoustic sensor for atrazine using molecularly imprinted polymer as recognition element, 428 (2001) 143

Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

ATR-FTIR

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Attenuated total reflection

Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions, 436 (2001) 31

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

Au and Pt and Pd-doped CO, NO2 and CH4

Multicomponent analysis of some environmentally important gases using semiconductor tin oxide sensors, 431 (2001) 181

Aucubin

Isolation of aucubin and catalpol from Melitaea cinxia larvae and quantification by micellar electrokinetic capillary chromatography, 429 (2001) 91

Au-Nafion electrode

Amperometric detection of NO and NO₂ in the ppb range with solidpolymer electrolyte membrane supported noble metal electrodes, 443 (2001) 53

Aurintricarboxylic acid

Utilization of solid phase spectrophotometry for determination of trace amounts of beryllium in natural water, 437 (2001) 265

Authentication

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Auto-associative neural networks

Nonlinear process monitoring using bottle-neck neural networks, 446 (2001) 371

Automated titration

Continuous on-line true titrations by feedback based flow ratiometry: application to potentiometric acid-base titrations, 435 (2001) 289

Automatic flow titrator

Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291

Automatic sample treatment

Analysis of solid samples by capillary electrophoresis using a gas extraction sampling device in a flow system, 438 (2001) 315

Automation

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Autoxidation

New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313

Avermectin

Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry, 436 (2001)

Avidin

Rapid assay for avidin and biotin based on fluorescence quenching, 442 (2001) 79

Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, 449 (2001) 45

Azepines

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethylated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Azur A

Determination of DNA by its enhancement effect of resonance light scattering by azur A, 429 (2001) 311

B

Baby food

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Back-propagation artificial neural network model

Variable selection in classification of environmental soil samples for partial least square and neural network models, 446 (2001) 233

Bacterial biosensor

Toxicity assessment of organic pollution in wastewaters using a bacterial biosensor, 426 (2001) 155

Bacterial endospore detection

Mitigating phosphate interference in bacterial endospore detection by Tb dipicolinate photoluminescence, 426 (2001) 43

Bader theory

Modeling quantitative structure–property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Baltic Sea

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

On-line determination of total mercury in the Baltic Sea, 438 (2001) 245

Barley

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171

Barley seeds

Bi-enzymatic optode detection system for oxalate determination based on a natural source of enzyme, 447 (2001) 33

Basic compounds

Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia–zirconia coated capillary, 428 (2001)

Basic phenothiazine dyes

Resonance Rayleigh scattering spectra for studying the interaction of heparin with some basic phenothiazine dyes and their analytical applications, 449 (2001) 261

Racie se

Basis sets for multivariate regression, 428 (2001) 31

Belousov-Zhabotinskii reaction

Determination of traces of thallium using the transient chaotic regime in the Belousov-Zhabotinskii oscillating chemical reaction, 428 (2001) 15

Bensulfuron-methyl

Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label, 448 (2001) 165

Benzaldehyde

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Benzhexol

Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β-cyclodextrin, phosphorous-pentoxide and L-glutamic acid as chiral selector, 431 (2001) 41

Benzoate ester

Sucrose effect on reversed-phase liquid chromatography solute retention, 428 (2001) 83

Benzoate sensitive electrode

Benzoate ion determination in beverages by using a potentiometric sensor immobilized in a graphite matrix, 433 (2001) 281

Benzola lovrene

Electrochemical DNA biosensor for the determination of benzo[a]pyrene–DNA adducts, 450 (2001) 45

Benzo[a]pyrene-tetrols

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Berberine

Porphyrin-metalloporphyrin composite based optical fiber sensor for the determination of berberine, 439 (2001) 65

Beryllium

Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium, 437 (2001) 17

Low-temperature volatilization of Be acetylacetonate for sample introduction in ETV-ICP-AES, 439 (2001) 153

Beryllium determination

Utilization of solid phase spectrophotometry for determination of trace amounts of beryllium in natural water, 437 (2001) 265

Beryllium-selective electrode

Beryllium-selective membrane sensor based on 3,4-di[2-(2-tetrahydro-2*H*-pyranoxy)]ethoxy styrene-styrene copolymer, 434 (2001) 23

BEST7 program

Application of potentiometry to characterize acid and basic sites in humic substances. Testing the BEST7 program with a weak-acid mixture, 445 (2001) 89

Beta-lactams

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Beverages

Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23

Beverages' analysis.

Benzoate ion determination in beverages by using a potentiometric sensor immobilized in a graphite matrix, 433 (2001) 281

Beynon table

Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, 446 (2001) 115

Bi(III) oxinate

Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, 437 (2001) 217

Biamperometry

Flow-injection biamperometry for direct determination of hydroxylamine at two pretreated platinum electrodes, 434 (2001) 261

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Bidirectional associative memory

Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281

Bidirectional electrostacking

Determination of chromium(III) and chromium(VI) in mineral water by bidirectional electrostacking and electrothermal atomic absorption spectrometry, 447 (2001) 135

Bile acid sulphate sulfatase

Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257

Bilinear calibration

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

Binaphthol derivatives

Molecular recognition of amino acid esters in liquid polymeric membrane ion-selective electrodes, 448 (2001) 19

Binary sampling

Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438 (2001) 59

Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75

Micro flow system to perform programmable isotope dilution for inductively coupled plasma-mass spectrometry, 438 (2001) 267

Binding interaction

Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, 443 (2001) 91

Binding parameters

Application of the Freundlich adsorption isotherm in the characterization of molecularly imprinted polymers, 435 (2001) 35

Bindschedler's green leuco base

Liquid chromatography — catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), 431 (2001) 141

Bioassays

Suitability of enhanced green fluorescent protein as a reporter component for bioassays, 426 (2001) 175

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001)

Bioavailability

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Biochemical oxygen demand

Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, 442 (2001) 129

Biochip

Antigen detection using microelectrode array microchips, 444 (2001) 69

Bioconjugates

Dendrimer enhanced immunosensors for biological detection, 444 (2001) 143

Biological fluid sampling

Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection, 450 (2001) 63

Biological fluids

Usefulness of the evaporative light scattering detector for direct screening of biological fluids, 435 (2001) 281

Biological materials

Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235

Biological membrane

Interaction with a phospholipid monolayer on a mercury electrode.

Multivariate analysis of impedance data, 446 (2001) 121

Biological samples.

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Bioluminescence

Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, 426 (2001) 167

Wastewater toxicity screening of non-ionic surfactants by Toxalert ^R and Microtox ^R bioluminescence inhibition assays, 427 (2001)

Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, 435 (2001) 255

Application of the *Lux-Fluoro* test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant *Salmonella typhimurium* TA1535 cells, 437 (2001) 23

Deductive prediction of precision and detection limit in bioluminescent measurement systems, 441 (2001) 243

Bioluminescent enzyme immunoassay

Development of highly sensitive bioluminescent enzyme immunoassay with ultra-wide measurable range for thyroid-stimulating hormone using firefly luciferase, 429 (2001) 19

Biomimetics

Toward the next generation of molecular imprinting with emphasis on the formation, by direct molding, of compounds with biological activity (biomimetics), 435 (2001) 3

Biopartitioning micellar chromatography (BMC)

Biopartitioning micellar chromatography to predict ecotoxicity, 448 (2001) 173

Bioprocess monitoring

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

Bioreactor

Rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Application to the determination of glucose in serum samples, 443 (2001) 17

Biosensing system

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, 436 (2001) 109

Biosensor

Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, 426 (2001) 167

Organic phase enzyme electrodes: applications and theoretical studies, 426 (2001) 235

Criterion for Hill equation validity for description of biosensor calibration curves, 427 (2001) 11

Determination of phenolic compounds using recombinant tyrosinase from Streptomyces antibioticus, 427 (2001) 201

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor, 429 (2001) 27

Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, 431 (2001) 219

Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents, 431 (2001) 231

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Application of the Lux-Fluoro test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant Salmonella typhimurium TA1535 cells, 437 (2001) 23

Amperometric hydrogen peroxide biosensor with silica sol-gel/ chitosan film as immobilization matrix, 437 (2001) 87

Interaction of the anticancer drug epirubicin with DNA, 437 (2001)

Fructose biosensor based on p-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, 439 (2001) 39

A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, 442 (2001)

Trienzymatic biosensor for the determination of inorganic phosphate, 443 (2001) 1 Hydrogen peroxide biosensor with enzyme entrapped within electrodeposited polypyrrole based on mediated sol-gel derived composite carbon electrode, 443 (2001) 9

Rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Application to the determination of glucose in serum samples, 443 (2001) 17

Antigen detection using microelectrode array microchips, 444 (2001) 69

Is biosensor a viable method for food allergen detection?, 444 (2001) 97

Comparison of the Spreeta ¹¹ surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Biotechnology

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001)

Biotin

Rapid assay for avidin and biotin based on fluorescence quenching, 442 (2001) 79

Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, 449 (2001) 45

Bis-(2-ethyl-hexyl) phosphoric acid (DEHPA)

Facilitated transport and separation of aromatic amino acids through activated composite membranes, 431 (2001) 59

Bis(1-phenyl-3-methyl-4-acylpyrazol-5-one)

Solvent extraction of uranium, neptunium, plutonium, americium, curium and californium ions by bis(1-phenyl-3-methyl-4-acylpyrazol-5-one) derivatives, 431 (2001) 69

Bismuth

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Bismuth electrode

Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, 434 (2001) 29

Bisphenol A (BPA)

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Bisphenol A diglycidyl ether (BADGE)

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Bisphenol F (BPF)

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Bisphenol F diglycidyl ether (BFDGE)

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Bis-2-thiophenal propanediamine

Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base, 440 (2001) 81

Bitumens

Determination of physico-chemical parameters for bitumens using near infrared spectroscopy, 434 (2001) 133

Blast furnace sludge

Method comparison for the determination of total cyanide in deposited blast furnace sludge, 435 (2001) 377

Bleached Kraft pulp mill effluent

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Blood

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

Blood electrolytes

Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, 439 (2001) 29

Blood gas

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Blood plasma

Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods, 446 (2001) 39

Blood protein adducts

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Blood serum electrolyte

Assessing a photocured self-plasticised acrylic membrane recipe for Na⁺ and K⁺ ion selective electrodes, 443 (2001) 25

RIS

Multiple analytical method comparison using maximum livelihood principal component analysis and linear regression with errors in both axes, 446 (2001) 147

Boltzmann plots

Effect of acid concentrations on the excitation temperature for vanadium ionic lines in inductively coupled plasma-optical emission spectrometry, 447 (2001) 171

Bootstrap

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

Bootstrapping

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

Borate glass

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Boron trifluoride

BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and ι-configuration determination method, 429 (2001) 293

Boron-doped diamond

Aliphatic polyamine oxidation response variability and stability at boron-doped diamond thin-film electrodes as studied by flowinjection analysis, 440 (2001) 119

Bottle-neck neural networks

Nonlinear process monitoring using bottle-neck neural networks, 446 (2001) 371

Bovine serum albumin

Studies on the interaction of paclitaxel with tubulin by an electrochemical method, 436 (2001) 147

Study of bovine serum albumin adsorption onto a silicon dioxide surface using a ring-electrode piezoelectric sensor, 444 (2001)

Break-point

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Breast cancer gene

Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, 431 (2001) 219

Bridged biscalix[4]arenes

Cesium selective electrodes based on novel double flexible spacers bridged biscalix[4]arenes, 447 (2001) 41

Bromate ion

Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Bromate-bromide mixture

New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117

Bromide

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatography-mass spectrometry, 439 (2001) 115

Bromide residues

Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide, 436 (2001) 245

α-Bromonaphthalene

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

Bromo-2-naphthyl sulfate

Room temperature phosphorescence pH optosensor based on energy transfer. 431 (2001) 1

2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Buffer capacity

pH and buffering capacity problems involved in the determination of ammonia in saline water using the indophenol blue spectrophotometric method, 434 (2001) 209

Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pump-gauge, 435 (2001) 247

Bulk/dry deposition

Use of capillary electrophoresis in the analysis of aerosol and bulk/ dry deposition collected on a daily basis, 427 (2001) 259

Bumetanide

Automated flow injection fluorimetric determination and dissolution studies of bumetanide in pharmaceuticals, 438 (2001) 131

Buprofezin

Voltammetric determination of the insecticide buprofezin in soil and water, 432 (2001) 21

Butadiene

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

Butanol

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

Butyltin

Speciation of organotin compounds in shellfish by liquid chromatography — fluorimetric detection, 443 (2001) 183

Butvrate

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

C

14C

Determination of 14C in activated metal waste, 447 (2001) 191

13C NMR

Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, 429 (2001) 151

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

Cadmium

Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, 428 (2001) 285

Flow injection system for cadmium preconcentration on poly(octadecyl diitaconate) (PDI-18) and atomic absorption spectrometry detection, 438 (2001) 259

Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001) 37

Cadmium speciation

Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection, 448 (2001) 105

Calcein

Sensitive and very selective determination of titanium by adsorptivecatalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, 427 (2001) 55

Calcium

Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

Calcium sensor

Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, 426 (2001) 3

Calibration curve

Criterion for Hill equation validity for description of biosensor calibration curves, 427 (2001) 11

Calibration methods

Univariate calibration techniques in flow injection analysis, 438 (2001) 323

Calibration techniques

Univariate calibration techniques in flow injection analysis, 438 (2001) 323

Calixarene

Host-guest interaction of calixarene molecules with neutral benzotrifluorides. Comparison of luminescence spectral data with results of model calculations relating to complex formation, 428 (2001) 301

Determination of nickel by a new chromogenic azocalix[4]arene, 439 (2001) 73

Cavity shaped host–guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene, 443 (2001) 227

Calixarene-coating

Thickness-shear-mode acoustic wave sensor for acetone vapour coated with C-ethylcalix[4]resorcinarene and C-H·· π interactions as a molecular recognition mechanism, 448 (2001) 47

Calix[4]arene benzothiazolyl substituted

Silver ion-selective electrodes based on novel containing benzothiazolyl calix[4]arene, 437 (2001) 191

Calix[6]arene hexaester

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Calmodulin

Screening method for antagonists that inhibit the binding of calmodulin to a target peptide using surface plasmon resonance, 447 (2001) 63

Cancer

Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281

Capability of detection

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Capability of discrimination

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Capacitive sensor

Impedometric herbicide chemosensors based on molecularly imprinted polymers, 435 (2001) 157

Capillary

Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, 442 (2001) 257

Capillary column

Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, 439 (2001) 125

Capillary electrochromatography

Rapid electrochromatographic enantiomer separations on short molecularly imprinted polymer monoliths, 435 (2001) 43

Determination of association constants of inorganic ions with C₁₂and C₁₄-alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, 442 (2001) 221

Capillary electrophoresis

Enantioseparation of underivatized amino acids by capillary electrophoresis using copper(II)-(S)-3-aminopyrrolidine-t-histidine ternary complex as the chiral selector, 426 (2001) 65

Use of capillary electrophoresis in the analysis of aerosol and bulk/ dry deposition collected on a daily basis, 427 (2001) 259

Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia–zirconia coated capillary, 428 (2001) 255

Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β-cyclodextrin, phosphorous-pentoxide and L-glutamic acid as chiral selector, 431 (2001) 41

Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods, 431 (2001) 49

Chromatographic and electrophoretic septation of inorganic sulfur and sulfur-oxygen species, 432 (2001) 165

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1

Dual photometric-contactless conductometric detector for capillary electrophoresis, 433 (2001) 13

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, 434 (2001) 301

Analysis of metal complexes by capillary electrophoresis. Effect of organic additives on separation of highly hydrophobic complexes, 434 (2001) 309

Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, 435 (2001) 121

Microfabricated capillary electrophoresis sensor for uranium (VI), 436 (2001) 181

Application of spline wavelet self-convolution in processing capillary electrophoresis overlapped peaks with noise, 437 (2001) 151 Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile—water mixtures, 437 (2001) 309

Analysis of solid samples by capillary electrophoresis using a gas extraction sampling device in a flow system, 438 (2001) 315

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15

Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

Determination of allopurinol and its active metabolite oxypurinol by capillary electrophoresis with end-column amperometric detection, 442 (2001) 121

Capillary electrophoresis with laser-induced fluorescence detection for chiral analysis and DNA binding studies of ruthenium(II) Tris-diimine complexes, 445 (2001) 21

Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection, 448 (2001) 105

Amperometric detection of cytochrome c by capillary electrophoresis at a sol-gel carbon composite electrode, 450 (2001) 263

Capillary gas chromatography

Synthesis and properties of new cyclodextrin phenyl carbamates as capillary gas chromatography stationary phases, 445 (2001) 221

Capillary liquid chromatography

Capillary liquid chromatographic determination of neutral phenolic compounds in apple juices, 426 (2001) 111

Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, 445 (2001) 29

Capillary zone electrophoresis

Separation and determination of levodopa and carbidopa in composite tablets by capillary zone electrophoresis with amperometric detection, 431 (2001) 287

Highly sensitive method for palladium(II) determination as a porphyrinato complex by capillary zone electrophoresis, 439 (2001) 101

Capillary zone electrophoresis-ultraviolet detection

Fast determination of paraquat residues in water by an optical immunosensor and validation using capillary electrophoresisultraviolet detection, 427 (2001) 165

Captopril

Sequential injection analysis of captopril based on colorimetric and potentiometric detection, 438 (2001) 31

Carbamate pesticides

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Carbaryl

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Carbidopa

Separation and determination of levodopa and carbidopa in composite tablets by capillary zone electrophoresis with amperometric detection, 431 (2001) 287

Carbofuran

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Carbohydrates

Analytical pyrolysis of carbohydrates in the presence of hexamethyldisilazane, 449 (2001) 271

Carbon analyzer

Determination of 14C in activated metal waste, 447 (2001) 191

Carbon assimilation

Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, 448 (2001) 239

Carbon paste

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III), 450 (2001) 37

Carbon paste electrode

Adsorption voltammetry of the mix-polynuclear complex of zirconium-calcium-alizarin red S at a carbon paste electrode, 431 (2001) 81

Direct determination of p-panthenol and salt of pantothenic acid in cosmetic and pharmaceutical preparations by differential pulse voltammetry, 432 (2001) 39

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, 443 (2001) 249

Carboxymethylated β-cyclodextrin polymer

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Carry-over

Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, 438 (2001) 3

Cast iron

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Catalase

Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, 441 (2001) 73

Bi-enzymatic optode detection system for oxalate determination based on a natural source of enzyme, 447 (2001) 33

Catalpol

Isolation of aucubin and catalpol from Melitaea cinxia larvae and quantification by micellar electrokinetic capillary chromatography, 429 (2001) 91

Catalysis

Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, 435 (2001) 177

Catalyst

Chemical reaction engineering using molecularly imprinted polymeric catalysts, 435 (2001) 197

Catalytic analysis

Liquid chromatography — catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), 431 (2001) 141

Catalytic cobalt determination

Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, 433 (2001) 111

Catalytic oxidation

Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst, 435 (2001) 385

Catalytic spectrophotometry

Catalytic determination of cobalt by a concentration-jump chemical relaxation method. 432 (2001) 151

Catecholamines

Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multielectrode cell-design detection, 444 (2001) 211

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

Cathode

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Cathodic detection

Interference-free, amperometric measurement of urea in biological samples using an electrode coated with tri-enzyme/polydimethylsiloxane-bilayer membrane, 441 (2001) 175

Cathodic stripping voltammetry

Determination of lead complexation in lake water by cathodic stripping voltammetry and ligand competition, 432 (2001) 11

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethylquinoxaline, 449 (2001) 119

Cation exchange

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Cation recognition

Study on cation recognition properties of 4-methene-6,7-dimethoxycoumarin-monoaza-18-crown-6, 427 (2001) 29

Cation-exchange resin

Flow-injection spectrophotometric determination of cobalt(II) at low µg 1⁻¹ levels with 4-benzylpiperidinedithiocarbamate, 434 (2001) 143

Cations

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, 439 (2001) 255

CA

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Cd determination

Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, 441 (2001) 291

Cd(II) and In(III)

Continuous wavelet transform and its application to resolving and quantifying the overlapped voltammetric peaks, 450 (2001) 185

Cd2+-selective electrode

Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, 440 (2001) 71

Cd-metallothionein

Interference of Pb leaching from the pH electrode on Cd-metallothionein complex, 442 (2001) 165

CDOM

Frit inlet/frit outlet flow field-flow fractionation: methodology for colored dissolved organic material in natural waters, 443 (2001)

Ce(III)

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

Cefadroxil

Electrogenerated chemiluminescence determination of cefadroxil antibiotic, 442 (2001) 201

Cellulose

New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313

Cellulose acetate membrane

Fructose biosensor based on D-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, 439 (2001) 39

Censored data

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Censored samples

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Centrifugal liquid membrane method

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Cephalexin

Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, 442 (2001) 207

Ceramic

Determination of phosphorus in raw materials for ceramics: comparison between X-ray fluorescence spectrometry and inductively coupled plasma-atomic emission spectrometry, 432 (2001) 157

Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, 435 (2001) 177

Cerium(IV)

Flow-injection with chemiluminescence detection for the determination of iproniazid, 437 (2001) 225

Certified reference materials

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Cesium

Cesium selective electrodes based on novel double flexible spacers bridged biscalix[4]arenes, 447 (2001) 41

Cetyltrimethylammonium bromide

Interaction of cetyltrimethylammonium bromide with nucleic acids and determination of nucleic acids at nanogram levels based on the measurement of light scattering, 441 (2001) 303

Resonance double frequency light scattering of the morin–nucleic acid–cetyltrimethylammonium bromide system and its analytical application, 448 (2001) 85

$C-H\cdots\pi$ interaction

Thickness-shear-mode acoustic wave sensor for acetone vapour coated with C-ethylcalix[4]resorcinarene and C-H·· π interactions as a molecular recognition mechanism, 448 (2001) 47

Chalcogenide glasses

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103

Chelate resin

Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, 443 (2001) 143

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Chelex 100

Investigation of the metal species in seawater by sorption of the metal ion on complexing resins with different sorbing properties, 449 (2001) 23

CHEMFET

Potassium selective CHEMFET based on an ion-partitioning membrane, 445 (2001) 183

Chemical DNA damage

Fiber optic biosensor for detection of DNA damage, 444 (2001) 51

Chemical fractionation

Arsenic fractionation in soils using an improved sequential extraction procedure, 436 (2001) 309

Chemical modifier

Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, 428 (2001) 265

Determination of silicon in nickel-based alloys using electrothermal atomic absorption spectrometry with longitudinal Zeeman-effect background correction and zinc oxide pretreatment, 435 (2001) 357

Chemical Oxygen Demand (COD)

Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, 432 (2001) 59

Chemical reaction engineering

Chemical reaction engineering using molecularly imprinted polymeric catalysts, 435 (2001) 197

Chemical relaxation

Catalytic determination of cobalt by a concentration-jump chemical relaxation method, 432 (2001) 151

Chemical sensor

Host-guest interaction of calixarene molecules with neutral benzotrifluorides. Comparison of luminescence spectral data with results of model calculations relating to complex formation, 428 (2001) 301

Novel head for testing and measurement of chemical microsensors, 429 (2001) 347

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103

Impedometric herbicide chemosensors based on molecularly imprinted polymers, 435 (2001) 157

Re-activation of an all solid state oxygen sensor, 437 (2001) 183

Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, 442 (2001) 25

Cavity shaped host-guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene, 443 (2001) 227

Flow-injection chemiluminescence sensor for the determination of isoniazid, 444 (2001) 287

Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, 450 (2001) 27

Chemical speciation

Determination of lead complexation in lake water by cathodic stripping voltammetry and ligand competition, 432 (2001) 11

Chemical warfare

Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, 435 (2001) 121

Chemical warfare agent degradation products

Determination of soman and VX degradation products by an aspiration ion mobility spectrometry, 440 (2001) 151

Chemically modified electrode

Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, 431 (2001) 89

Chemically modified electrodes

Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, 439 (2001) 291

Chemically modified field effect transistors (CHEMFETs)

Novel head for testing and measurement of chemical microsensors, 429 (2001) 347

Chemiluminescence

Chemiluminescent flow sensor for H₂O₂ based on the decomposition of H₂O₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin, 426 (2001) 57

Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumrase and malate dehydrogenase with chemiluminescence detection, 428 (2001) 1

Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, 428 (2001) 173

Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, 432 (2001) 95

Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant, 432 (2001) 311

Evaluation of food antioxidant activity by photostorage chemiluminescence, 433 (2001) 263

On-line monitoring of nitric oxide complexed with porphyrinebearing biochemical materials by using flow injection with chemiluminescence detection, 435 (2001) 273

Determination of humic acid in natural waters by flow injection analysis with chemiluminescence detection, 438 (2001) 143

- Flow-injection analysis study of the chemiluminescent behaviour of proflavine and acriflavine, 438 (2001) 149
- Determination of the flavor enhancer maltol through a FIA direct chemiluminescence procedure, 438 (2001) 157
- Determination of some sulphonamides by sequential injection analysis with chemiluminescence detection, 438 (2001) 165
- Chemiluminescence detection of paracetamol by a luminol-permanganate based reaction, 439 (2001) 95
- Flow-injection chemiluminescence determination of tetracyclines with in situ electrogenerated bromine as the oxidant, 440 (2001) 143
- Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector, 442 (2001) 63
- Intense chemiluminescence from the oxidation of luminol with mchloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, 442 (2001) 71
- Separation of niobium(V) and tantalum(V) by capillary electrophoresis with chemiluminescence detection, 443 (2001) 101
- Flow-injection chemiluminescence sensor for the determination of isoniazid, 444 (2001) 287
- Analytical applications of acidic potassium permanganate as a chemiluminescence reagent, 445 (2001) 1
- Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, 445 (2001) 161
- Europium sensitized chemiluminescense determination of rufloxacin, 445 (2001) 169
- Calibration transfer in chemiluminescence analysis. Application to chromium determination by luminol-hydrogen peroxide reaction, 446 (2001) 385
- Investigation on the chemiluminescence reaction of luminol- H_2O_2 - S^2 -/R-SH system, 448 (2001) 79
- Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection, 450 (2001) 63
- Multivariate versus univariate calibration for nonlinear chemiluminescence data. Application to chromium determination by luminol-hydrogen peroxide reaction, 450 (2001) 155
- Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Chemiluminescence detection

- UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27
- Evaluation of a tertiary amine labeling protocol for peptides and proteins using Ru(bpy)₃³⁶-based chemiluminescence detection, 441 (2001) 231

Chemiluminescence immunoassay

Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103

Chemometric techniques

Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, 449 (2001) 69

Chemometrics

- Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223
- Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195
- Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321
- Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101
- Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179
- Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215
- Quantitative determinations in conventional flow injection analysis based on different chemometric calibration stategies: a review, 438 (2001) 335
- Voltammetric determination of chlorpromazine hydrochloride and promethazine hydrochloride with the use of multivariate calibration, 439 (2001) 159
- Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, 445 (2001) 245
- Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, 446 (2001) 115
- Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171
- Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257 Capability of discrimination: application to soft calibration meth-
- Capability of discrimination: application to soft calibration methods, 446 (2001) 297
- Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329
- Fast interpretation of complex LC/MS data using chemometrics, 446 (2001) 467
- Feature selection by genetic algorithms for mass spectral classifiers, 446 (2001) 485
- Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry chemometrics, 448 (2001) 61

Chemotherapy

Determination of platinum by radiochemical neutron activation analysis in neural tissues from rats, monkeys and patients treated with cisplatin, 426 (2001) 119

Chicken liver

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31

Chicken muscle

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31

Chinese herbal medicine

Microwave-assisted extraction of effective constituents from a Chinese herbal medicine Radix puerariae, 436 (2001) 41

Chinese medicinal material

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Chiral analysis

Chiral separation of ephedrines by liquid chromatography using βcyclodextrins, 434 (2001) 315

Chiral separation

Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β-cyclodextrin, phosphorous-pentoxide and L-glutamic acid as chiral selector, 431 (2001) 41

Chiral ternary complex

Enantioseparation of underivatized amino acids by capillary electrophoresis using copper(II)-(S)-3-aminopyrrolidine-L-histidine ternary complex as the chiral selector, 426 (2001) 65

Chiralcel

Determination of enantiomeric excess of dextropropoxyphene and α-(+)-oxyphene by chiral high-performance liquid chromatography, 441 (2001) 297

Chloramine-T

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Chlorhexidine

Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, 441 (2001) 107

Chloride determination

Determination of chloride in inorganic solid samples by cold vapour molecular absorption spectrometry as Cl₂, 428 (2001) 279

Chlorinated aromatic amines

Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler, 442 (2001) 267

Chlorinated hydrocarbons

Rapid on-site determination of chlorobenzene in water samples using ion mobility spectrometry, 440 (2001) 63

Chlorine

Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine, 443 (2001) 153

Chloroform

Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, 437 (2001) 217

Chlorophyll a, b and c

Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, 450 (2001) 143

Chlorothiazide

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

Chlorpromazine

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Chlorpromazine hydrochloride

Voltammetric determination of chlorpromazine hydrochloride and promethazine hydrochloride with the use of multivariate calibration, 439 (2001) 159

Chlorpyrifos

Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry, 436 (2001)

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Chlorpyrifos-oxon

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Chlortetracycline

Determination of chlortetracycline in body fluids with the complex cation of chlortetracycline–europium(III)–trioctylphosphine oxide by total internal reflected fluorescence at a water/tetra-chloromethane interface, 442 (2001) 89

Cholesterol biosensor

Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrolehydrogel membrane, 448 (2001) 27

Cholesterol oxidase

Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrolehydrogel membrane, 448 (2001) 27

Cholinesterase-based biosensor

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Chromatic measurements (CIE64)

Roman wall paintings characterization from Cripta del Museo and Alcazaba in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

Chromatographic stationary phase

Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, 442 (2001) 105

Chromatography

Ion-pair formation of hydroquinine by chromatography, 426 (2001) 85

Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, 426 (2001) 95

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

Chromium

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217

Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry, 436 (2001) 59

Interactions of soil components and their effects on speciation of chromium in soils, 439 (2001) 9

Calibration transfer in chemiluminescence analysis. Application to chromium determination by luminol-hydrogen peroxide reaction, 446 (2001) 385

Determination of Cr(III) and Cr(VI) species in natural waters by catalytic cathodic stripping voltammetry, 448 (2001) 121

Automatic determination of ascorbic acid by flame atomic absorption spectrometry, 448 (2001) 157

Chromium determination

Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, 428 (2001) 265

Multivariate versus univariate calibration for nonlinear chemiluminescence data. Application to chromium determination by luminol-hydrogen peroxide reaction, 450 (2001) 155

Chromium speciation

Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysis– spectrofluorimetry, 436 (2001) 49

Determination of chromium(III) and chromium(VI) in mineral water by bidirectional electrostacking and electrothermal atomic absorption spectrometry, 447 (2001) 135

Chromium(VI)

Properties of 4-(1'-n-tridecyl)pyridine N-oxide in the extraction and polymer inclusion membrane transport of Cr(VI), 428 (2001) 89

Chromium, nickel, lead and cadmium

Slurry sampling for electrothermal atomic absorption spectrometric determination of chromium, nickel, lead and cadmium in sewage sludge, 437 (2001) 11

Chromogenic reagent

Flow-injection spectrophotometric determination of cobalt(II) at low $\mu g \ l^{-1}$ levels with 4-benzylpiperidinedithiocarbamate, 434 (2001) 143

Chromoionophore

Determination of nickel by a new chromogenic azocalix[4]arene, 439 (2001) 73

Cider

Determination of monosaccharides in cider by reversed-phase liquid chromatography, 436 (2001) 173

CieLah

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Ciprofloxacin

Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, 448 (2001) 195

Circular dichroism

Use of circular dichroism and artificial neural networks for the kinetic-spectrophotometric resolution of enantiomers, 431 (2001) 115

Three-way data analysis applied to multispectroscopic monitoring of protein folding, 446 (2001) 187

Cisplatin

Determination of platinum by radiochemical neutron activation analysis in neural tissues from rats, monkeys and patients treated with cisplatin, 426 (2001) 119

Study of the interaction of a *cis*-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)–poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Citric acid

Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23

Citrus fruits

Immunoaffinity column clean-up for the determination of imazalil in citrus fruits, 433 (2001) 199

City waste incineration ash

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

Clark-type oxygen electrode

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Class 'C' waste

Determination of ¹⁴C in activated metal waste, 447 (2001) 191

Classification

Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281

Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Classification tree

Decompositive classification models for electronic noses, 446 (2001) 223

Class-specific immunoassay

Development of a class-specific immunoassay for the type I pyrethroid insecticides, 444 (2001) 119

Clay

Disposable clay-coated screen-printed electrode for amitrole analysis, 449 (2001) 95

Clay-modified electrode

Trienzymatic biosensor for the determination of inorganic phosphate, 443 (2001) 1

Clinical chemistry

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

Clomipramine

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Cloud point extraction

Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction, 434 (2001) 325

Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysis-spectrofluorimetry, 436 (2001) 49

Determination of cadmium, copper, lead and zinc in water samples by flame atomic absorption spectrometry after cloud point extraction, 450 (2001) 215

Cluster analysis

Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227

Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

Application of chemometric methods for classification of atmospheric particles based on thin-window electron probe microanalysis data, 446 (2001) 211

Clustering

New index for clustering tendency, 446 (2001) 59

Clustering tendency

New index for clustering tendency, 446 (2001) 59

Co

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135 Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

CO₂

Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Coal

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

Coastal environment

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Cobalt

Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, 432 (2001) 49

Catalytic determination of cobalt by a concentration-jump chemical relaxation method, 432 (2001) 151

Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217

Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction, 434 (2001) 325

Cobalt determination

Flow-injection spectrophotometric determination of cobalt(II) at low $\mu g \ l^{-1}$ levels with 4-benzylpiperidinedithiocarbamate, 434 (2001) 143

Coccidiosis

An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, 444 (2001) 61

COD

In line measurement of chemical oxygen demand by means of multipulse amperometry at a rotating Pt ring — Pt/PbO₂ disc electrode, 437 (2001) 95

CODA

Fast interpretation of complex LC/MS data using chemometrics, 446 (2001) 467

Coextraction

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Coke production

Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, 449 (2001) 189

Cold vapor atomic absorption spectrometry

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Cold vapor atomic fluorescence spectroscopy

In situ high temporal resolution analysis of elemental mercury in natural waters, 447 (2001) 153

Cold vapour atomic fluorescence spectrometry

Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatographycold vapour atomic fluorescence spectrometry, 448 (2001) 135

Colloids

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281

Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

Colorimetric determination

Sequential injection analysis of captopril based on colorimetric and potentiometric detection, 438 (2001) 31

Colorimetry

Silicate species in high pH solution molybdate, whose silica concentration is determined by colorimetry, 429 (2001) 117

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Colourimetry

New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313

Column focusing

Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, 445 (2001) 29

Column liquid chromatography

Application of stir bar sorptive extraction in combination with column liquid chromatography for the determination of polycyclic aromatic hydrocarbons in water samples, 436 (2001)

Comparison of variable selection

Comparison of different methods for variable selection, 446 (2001) 477

Complex formation

Determination of complex stabilities with nearly insoluble host molecules: cucurbit[5]uril, decamethylcucurbit[5]uril and cucurbit[6]uril as ligands for the complexation of some multicharged cations in aqueous solution, 437 (2001) 157

Complex stability constant

Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate-metal ion complexes, 448 (2001) 231

Complexation

Determination of lead complexation in lake water by cathodic stripping voltammetry and ligand competition, 432 (2001) 11

Determination of Mo(VI)–Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, 442 (2001) 171

Complexing properties

Study of complexing properties of the α and β metallothionein domains with cadmium and/or zinc using electrospray ionisation mass spectrometry, 435 (2001) 319

Composite carbon electrode

Hydrogen peroxide biosensor with enzyme entrapped within electrodeposited polypyrrole based on mediated sol-gel derived composite carbon electrode, 443 (2001) 9

Computational estimation

Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, 429 (2001) 75

Computer simulation

Determination and prediction of the average polymerization degree of alkyl polyglucosides, 440 (2001) 231

Computer-aided method

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

Computer-supported structure elucidation

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

Concentrated hydrochloric acid, 1,2-dibromoethane

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatography-mass spectrometry, 439 (2001) 115

Concentration

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

A novel approach for the determination of the total concentration of acids in aqueous solutions by simultaneous diffusion limited current for reduction of acids and pH measurements, 432 (2001) 27

Concentration effect

Effect of fulvic acid concentration on modeling electrostatic and heterogeneity effects in proton binding reactions, 434 (2001) 105

Concentration mode

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Concentration-jump

Catalytic determination of cobalt by a concentration-jump chemical relaxation method, 432 (2001) 151

Conductimetry

Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Conducting polymer

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Quantification of dopant ions in polypyrrole films with electrochemical ICP-atomic emission spectrometry and comparison to electrochemical quartz crystal microbalance studies, 441 (2001) 123

Conductometric biosensor

Conductometric formaldehyde sensitive biosensor with specifically adapted analytical characteristics, 445 (2001) 47

Confidence intervals

Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, 446 (2001) 49

Configuration determination

BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and ι-configuration determination method, 429 (2001) 293

Conformational analysis

Atmospheric pressure ion mobility spectrometry studies of cyclic and acyclic polyethers, 436 (2001) 273

Constant bias

Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays, 440 (2001) 171

Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Contactless conductometry

Dual photometric-contactless conductometric detector for capillary electrophoresis, 433 (2001) 13

Containment technology

Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, 439 (2001) 29

Contaminated sediment

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001)

Continuous detection

Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, 439 (2001) 125

Continuous flow system

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Continuous subcritical water extraction

Continuous liquid-liquid extraction using modified subcritical water for the demetalisation of used industrial oils, 433 (2001) 47

Continuous wavelet transform

Continuous wavelet transform and its application to resolving and quantifying the overlapped voltammetric peaks, 450 (2001) 185

ContVarDia

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Cook's test

Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, 446 (2001) 49

Coplanar PCBs

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Coppe

Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, 434 (2001) 29

Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes, 437 (2001) 199

UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27

Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, 447 (2001) 11

Determining copper ions in water using electrochemiluminescence, 449 (2001) 17

Copper alloys

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Copper catalysis

Simultaneous flow injection determination of ascorbic acid and cysteine using double flow cell, 438 (2001) 21

Copper ion-selective electrode

Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base, 440 (2001) 81

Copper-chelating affinity column

Novel sensor based on copper-chelating affinity matrix for the specific uridine detection, 445 (2001) 191

Copperised cadmium

The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor, 428 (2001) 155

Correlation coefficient

Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

Corticosteroids

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Cosmetic

Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183

Coulometric detection

Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multielectrode cell-design detection, 444 (2001) 211

Commanhos

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Cr

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Cr(III)-complexes

Determination of Cr(III) and Cr(VI) species in natural waters by catalytic cathodic stripping voltammetry, 448 (2001) 121

Cresol

Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, 432 (2001) 49

Critical angle

Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, 433 (2001) 31

Cross-linked poly(n-butyl acrylate)

Assessing a photocured self-plasticised acrylic membrane recipe for Na⁺ and K⁺ ion selective electrodes, 443 (2001) 25

Cross-reactivity

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Cross-section

Measurement of L subshell X-ray fluorescence cross-sections at 59.54 keV and L subshell fluorescence yields for elements in the atomic range $55 \le Z \le 81,441 (2001) 317$

Cryptand

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77

Cu

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135 Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Cucumber mosaic virus

Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using *p*-aminophenol as substrate and its application in detection of plant virus, 434 (2001) 43

Cucurbituril

Determination of complex stabilities with nearly insoluble host molecules: cucurbit[5]uril, decamethylcucurbit[5]uril and cucurbit[6]uril as ligands for the complexation of some multicharged cations in aqueous solution, 437 (2001) 157

Curve fitting

Curve fitting using wavelet transform for resolving simulated overlapped spectra, 443 (2001) 117

Curve resolution

Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes, 442 (2001) 337

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Cyanazine

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Cyanide determination

Method comparison for the determination of total cyanide in deposited blast furnace sludge, 435 (2001) 377

Cyanobacteria

Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, 441 (2001) 1

Cyanocopolymer

Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes, 437 (2001) 199

Cyclic voltammetry

In line measurement of chemical oxygen demand by means of multipulse amperometry at a rotating Pt ring — Pt/PbO₂ disc electrode, 437 (2001) 95

Voltammetric behavior of α-tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile+ water mixed solvent systems, 441 (2001) 201

Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, 443 (2001) 249 Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate—metal ion complexes, 448 (2001) 231

Cyclodextrin

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Cyclodextrin derivatives

Synthesis and properties of new cyclodextrin phenyl carbamates as capillary gas chromatography stationary phases, 445 (2001) 221

β-Cyclodextrin polymer

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

β-cyclodextrins

Chiral separation of ephedrines by liquid chromatography using β-cyclodextrins, 434 (2001) 315

Cyclosporin A

Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, 448 (2001) 195

Cyromazine

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Cysteine

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, 447 (2001) 1

Cystine

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Cytochrome c

Amperometric detection of cytochrome c by capillary electrophoresis at a sol-gel carbon composite electrode, 450 (2001) 263

Cytotoxicity

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001) 191

Application of the Lux-Fluoro test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant Salmonella typhimurium TA1535 cells, 437 (2001) 23

Cytoxicity

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265

D

2-3D SIMS

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Daphnia magna

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Data mining

Feature selection in sequential projection pursuit, 446 (2001) 85 Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, 446 (2001) 115

Data pre-treatment

Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, 431 (2001) 303

Data pretreatment

Orthogonal signal correction in near infrared calibration, 434 (2001) 125

DC-ELISA

Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, 427 (2001) 211

4.4'-DDD

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

4,4'-DDE

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

4,4'-DDT

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Decolorants

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Decomposition

Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, 448 (2001) 221

Decomposition products

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Degradation

New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313

Demeton-S

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Dendrimer

Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, 432 (2001) 89

Dendrimer enhanced immunosensors for biological detection, 444 (2001) 143

Densitometer

Densitometric analysis for quality control in poly(vinyl chloride)membrane electrode manufacturing, 436 (2001) 139

Derivative signal processing

Determination of tellurium in urine by hydride generation atomic absorption spectrometry with derivative signal processing, 448 (2001) 145

Derivative spectrometry

Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183

Derivative spectrophotometry

Spectrophotometric determination of drug partition coefficients in dimyristoyl-L-α-phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions, 428 (2001) 103

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Derivatization

Na₄EDTA-assisted in situ derivatization pressurized fluid extraction of polar herbicides in soil, 434 (2001) 283

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatographymass spectrometry, 439 (2001) 115

Descriptors

Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, 434 (2001) 113

Desolvation

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Desorption

Removal of heavy metals in industrial wastewaters by ion-exchanger grafted textiles, 428 (2001) 121

Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, 428 (2001) 209

Desorption-ionization

Desorption-ionization on silicon mass spectrometry: an application in forensics, 442 (2001) 183

Desulphurisation

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Detection

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Determination of soman and VX degradation products by an aspiration ion mobility spectrometry, 440 (2001) 151

Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, 448 (2001) 221

Detection limit

Comparison of gas chromatography detection limits and relative responses of common alternative fluorocarbons using electron capture, atomic emission, and mass spectrometry detection, 433 (2001) 181

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Detection of adulteration

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Detection of analytes

Simultaneous detection of analytes based on genetically engineered whole cell sensing systems, 444 (2001) 251

Detection of spectral differences

Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra, 446 (2001) 71

Detergen

Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor, 449 (2001) 59

Determination

Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, 428 (2001) 201

Spectrofluorimetric determination of trace amounts of molybdenum in pig liver and mussels, 439 (2001) 307

Determination of Si

Determination of Si and Cu in Al target metal used in a semiconductor process by inductively coupled plasma-atomic emission spectrometry, 429 (2001) 145

Dexamethasone

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Dextropropoxyphene

Determination of enantiomeric excess of dextropropoxyphene and α-(+)-oxyphene by chiral high-performance liquid chromatography, 441 (2001) 297

p-Fructose

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67

D-glucose

Sol-gel based thermal biosensor for glucose, 427 (2001) 1

Diacetyl determination

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethyl-quinoxaline, 449 (2001) 119

Diafiltration mode

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Diagnostic chemistry

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Diagnostic plot

Detection of single influential points in OLS regression model building, 439 (2001) 169

Dialysis

Determination of L.(-)-malic acid and L.(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Diamines

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines $NH_2(CH_2)_nNH_2$ (n = 2-10), 436 (2001) 333

Diamines separation

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines NH₂(CH₂)_nNH₂ (n = 2-10), 436 (2001) 333

Diazinon

Development of an immunoaffinity-based solid-phase extraction for diazinon, 444 (2001) 37

Dibenzo-18-crown-6

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Dibenzothiophene

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Dibromomethyl-Arsenazo

Study of the interaction of protein and dibromomethyl-Arsenazo-Al(III) by Rayleigh light-scattering technique, 442 (2001) 249

8-(4.6-Dichlorio-1,3.5-triazinylamino)quinoline

Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5-triaziny-lamino)quinoline, 426 (2001) 51

Dichlorofluorescein

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

2,4-Dichlorophenoxyacetic acid

Adsorption, preconcentration and separation of cations on silica gel chemically modified with the herbicide 2,4-dichlorophenoxyacetic acid, 432 (2001) 201

Fabrication of molecularly imprinted polymer microstructures, 435 (2001) 163

2',3'-Dideoxynucleotide

Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, 435 (2001) 107

Differential pulse anodic stripping voltammetry

Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, 431 (2001) 89

Interference of Pb leaching from the pH electrode on Cd-metallothionein complex, 442 (2001) 165

Differential pulse polarography

Determination of total ionic polysulfides by differential pulse polarography, 442 (2001) 277

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

Differential pulse voltammetry

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

Voltammetric determination of chlorpromazine hydrochloride and promethazine hydrochloride with the use of multivariate calibration, 439 (2001) 159

Voltammetric behavior of \(\alpha\)-tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile + water mixed solvent systems, 441 (2001) 201

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Differential technique

Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, 434 (2001) 201

Diffusion

A novel approach for the determination of the total concentration of acids in aqueous solutions by simultaneous diffusion limited current for reduction of acids and pH measurements, 432 (2001) 27

Diffusion coefficient

Diffusion of nitroglycerin from drug delivery patches through micro-fibre filters using Fourier transform infrared photoacoustic spectrometry, 427 (2001) 63

Diffusive gradients in thin films

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

Digestion

Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303

Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, 443 (2001) 277

Diisopropyl fluorophosphate

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

β-Diketonato chelates

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

Dimensionality

PoLiSh — smoothed partial least-squares regression, 446 (2001)

Dimer acid

Separation of dimer acids using enhanced-fluidity liquid chromatography, 449 (2001) 221

Dimerization

Investigation of Mo(VI) monomer-dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, 433 (2001) 299

Dimer-monomer equilibrium

Potentiometric and spectroscopic characterization of anion selective electrodes based on metal(III) porphyrin ionophores in polyurethane membranes, 432 (2001) 67

4-Dimethylaminopyridine

Simple derivatization method for sensitive determination of fatty acids with fluorescence detection by high-performance liquid chromatography using 9-(2-hydroxyethyl)-carbazole as derivatization reagent, 436 (2001) 163

Dimethylarsinic acid

Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, 447 (2001) 229

2-Dimethylarsinylethanol sulphide

Voltammetric investigations of 2-dimethylarsinyl-ethanol sulphide in NaCl and seawater, 431 (2001) 269

3.5-Dinitrobenzoate

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

4,4'-Dinitrocarbanilide

An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, 444 (2001) 61

2,4-Dinitrophenol

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

DIOS

Desorption-ionization on silicon mass spectrometry: an application in forensics, 442 (2001) 183

Diovino

Highly sensitive dioxin immunoassay and its application to soil and biota samples, 444 (2001) 169

Dip strip ELISA

Simple dip strip ELISA for airborne estrogenic steroids, 444 (2001)

Dipicolinic acid

Mitigating phosphate interference in bacterial endospore detection by Tb dipicolinate photoluminescence, 426 (2001) 43

Sensors for detection of calcium associated with bacterial endospore suspensions, 435 (2001) 239

Dip-probe absorption spectroscopy (D-PAS)

Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study, 434 (2001) 157

Direct competitive enzyme immunoassay

Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, 441 (2001) 1

Direct molding

Toward the next generation of molecular imprinting with emphasis on the formation, by direct molding, of compounds with biological activity (biomimetics), 435 (2001) 3

Direct screening

Usefulness of the evaporative light scattering detector for direct screening of biological fluids, 435 (2001) 281

Discriminant analysis

Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223

Discriminant partial least square model

Variable selection in classification of environmental soil samples for partial least square and neural network models, 446 (2001) 233

Discrimination

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Discriminative detection

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Dispersion

Dispersion in open tubular reactors of various geometries, 428 (2001) 163

Dispersive gas spectra

Quantitative millimetre wavelength spectrometry. Part V: Observation of dispersive gas spectra with a millimetre wavelength confocal Fabry-Perot cavity spectrometer, 433 (2001) 269

Disposable electrochemical sensor

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Disposable electrode

Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, 442 (2001) 257

Dissociation constants

General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, 428 (2001) 309

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Dissolution

Dissolution stability and IVIVC investigation of a buccal tablet, 446 (2001) 345

Dissolution study

Automated flow injection fluorimetric determination and dissolution studies of burnetanide in pharmaceuticals, 438 (2001) 131

Dissolved organic carbon

Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, 442 (2001) 141

Dissolved organic matter

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, 445 (2001) 127

Dissolved oxygen

Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, 438 (2001) 117

Distillation

Method comparison for the determination of total cyanide in deposited blast furnace sludge, 435 (2001) 377

Dithionite

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Divalent transition metal cations

Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,N'-bis(2-pyridylmethylidene)-1,2diiminoethane and its analogues, 441 (2001) 157

3,4-Di[2-(2-tetrahydro-2*H*-pyranoxy)] ethoxy styrene–styrene conslymer

Beryllium-selective membrane sensor based on 3,4-di[2-(2-tetrahydro-2*H*-pyranoxy)]ethoxy styrene-styrene copolymer, 434 (2001) 23

D-Lactate

Chronoamperometric determination of D-lactate using screenprinted enzyme electrodes, 433 (2001) 81

DMPC

Spectrophotometric determination of drug partition coefficients in dimyristoyl-ι-α-phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions, 428 (2001) 103

DNA

Determination of DNA by its enhancement effect of resonance light scattering by azur A, 429 (2001) 311

Flow injection renewable drops technique for assay of microamounts of DNA, 432 (2001) 135

Investigation into the scope and limitations of molecular imprinting with DNA molecules, 435 (2001) 65

High sensitive determination of DNA by use of molecular "light switch" complex of Ru(phen)₂(dppx)²⁺, 436 (2001) 207

Interaction of the anticancer drug epirubicin with DNA, 437 (2001)

Interaction of cetyltrimethylammonium bromide with nucleic acids and determination of nucleic acids at nanogram levels based on the measurement of light scattering, 441 (2001) 303

Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, 443 (2001) 63

Fiber optic biosensor for detection of DNA damage, 444 (2001)

Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, 449 (2001) 45

DNA binding

Capillary electrophoresis with laser-induced fluorescence detection for chiral analysis and DNA binding studies of ruthenium(II) Tris-diimine complexes, 445 (2001) 21

DNA biosensor

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Electrochemical DNA biosensor for the determination of benzo[a]pyrene–DNA adducts, 450 (2001) 45

DNA hybridization

Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, 431 (2001) 219

DNC

An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, 444 (2001) 61

2D-NMR

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

DOC

UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27

Dodecane

Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, 427 (2001) 137

Dopamine

Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, 434 (2001) 9

Study on the electrochemical behavior of dopamine with poly(sulfosalicylic acid) modified glassy carbon electrode, 441 (2001) 117

Doping analysis

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

D-optimum

Evaluation of separation quality in two-dimensional hyphenated chromatography, 450 (2001) 99

Dose-response

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Double and single cavity

Influence of the movement of "over full-length cavity" cylindrical samples along the x-axis of a double TE₁₀₄ and a single TE₁₀₂ rectangular cavity on the electron paramagnetic resonance. An unusual effect analysis, 443 (2001) 127

Double focusing-ICP-MS

The potential of double focusing-ICP-MS for studying elemental distribution patterns in whole milk, skimmed milk and milk whey of different milks, 442 (2001) 191

Double potential step

In line measurement of chemical oxygen demand by means of multipulse amperometry at a rotating Pt ring — Pt/PbO₂ disc electrode, 437 (2001) 95

DPLS

Feature selection by genetic algorithms for mass spectral classifiers, 446 (2001) 485

DRIFT

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

DRIFT spectroscopy

Application of diffuse reflectance infrared Fourier transform spectroscopy combined with artificial neural networks in analysing enantiomeric purity of terbutaline sulphate bulk drug, 449 (2001) 157

Drinking water

Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography, 441 (2001) 53

Drop sensor

Flow injection renewable drops technique for assay of microamounts of DNA, 432 (2001) 135

Drug

Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β-cyclodextrin, phosphorous-pentoxide and L-glutamic acid as chiral selector, 431 (2001) 41

Drug adsorption

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

Drug encapsulation

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

Drug release

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

DsDNA

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

DTPA derivatives

Ionic imprinted resins based on EDTA and DTPA derivatives for lanthanides(III) separation, 435 (2001) 75

Dual detector

Dual photometric-contactless conductometric detector for capillary electrophoresis, 433 (2001) 13

Dual electrod

Improvement in signal reliability when measuring L-glutamate released from cullured cells using multi channel microfaricated sensors, 441 (2001) 165

Dual lifetime referencing

Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, 449 (2001) 81

Dulcitol

Inductively coupled plasma mass spectrometric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, 426 (2001) 105

Durbin-Watson

PoLiSh — smoothed partial least-squares regression, 446 (2001) 281

Dye entrapment

Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, 432 (2001) 89

Dye leaching

Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, 432 (2001) 89

E

E. coli

Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, 442 (2001) 129

E. coli O157:H7

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Eastman AO

Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, 434 (2001) 255

Ebrotidine metabolites

Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods, 431 (2001) 49

EC mechanism

Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

Echelle spectrometer

Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, 429 (2001) 269

Ecotoxicity

Biopartitioning micellar chromatography to predict ecotoxicity, 448 (2001) 173

Edman degradation

BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and L-configuration determination method, 429 (2001) 293

EDTA derivatives

Ionic imprinted resins based on EDTA and DTPA derivatives for lanthanides(III) separation, 435 (2001) 75

EDXRF

Measurement of L subshell X-ray fluorescence cross-sections at 59.54 keV and L subshell fluorescence yields for elements in the atomic range $55 \le Z \le 81$, 441 (2001) 317

FEM

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Effect of NO

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by highperformance liquid chromatography, 439 (2001) 239

Electrical insulating oils

Quantitative immunoassay for determining polyaromatic hydrocarbons in electrical insulating oils, 450 (2001) 13

Electrically conducting polymer

Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

Electrocatalysis

Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, 434 (2001) 9

Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, 439 (2001) 291

Electrochemical amplification

Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

Electrochemical detection

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Venturi-scrubber pre-concentration technique for electrochemical detection of airborne lead traces, 429 (2001) 215

Separation and determination of three water-soluble vitamins in pharmaceutical preparations and food by micellar electrokinetic chromatography with amperometric electrochemical detection, 437 (2001) 123

Soft calibration in a flow system with electrochemical detection.

Application to the determination of phenolic compounds, 446 (2001) 269

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, 449 (2001) 111

Electrochemical DNA biosensor

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Electrochemical enzyme immunoassay

Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using p-aminophenol as substrate and its application in detection of plant virus, 434 (2001) 43

Electrochemical ICP-AES

Quantification of dopant ions in polypyrrole films with electrochemical ICP-atomic emission spectrometry and comparison to electrochemical quartz crystal microbalance studies, 441 (2001) 123

Electrochemical preconcentration

Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, 434 (2001) 291

Electrochemiluminescence

Determining copper ions in water using electrochemiluminescence, 449 (2001) 17

Electrochemistry

Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37

Electrode

Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor, 439 (2001) 273

Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, 447 (2001) 1

Electrogenerated bromine

Flow-injection chemiluminescence determination of tetracyclines with in situ electrogenerated bromine as the oxidant, 440 (2001) 143

Electrogenerated chemiluminescence

Flow-injection electrogenerated chemiluminescence determination of epinephrine using luminol, 441 (2001) 81

Electrogenerated chemiluminescence determination of cefadroxil antibiotic, 442 (2001) 201

Electrolysis

Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, 432 (2001) 49

Electron capture detector

Comparison of gas chromatography detection limits and relative responses of common alternative fluorocarbons using electron capture, atomic emission, and mass spectrometry detection, 433 (2001) 181

Electronic grade chemicals

Inductively coupled plasma mass spectrometric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, 426 (2001) 105

Electronic nose

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Decompositive classification models for electronic noses, 446 (2001) 223

Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, 449 (2001) 69

Electronic tongue

Electronic tongues for environmental monitoring based on sensor arrays and pattern recognition: a review, 426 (2001) 217

Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor, 449 (2001) 59

Electro-osmotic flow

The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor, 428 (2001) 155

Electro-oxidation

Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode, 449 (2001) 129

Electrophilic addition

Modeling quantitative structure–property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Electrophoresis

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Separation of niobium(V) and tantalum(V) by capillary electrophoresis with chemiluminescence detection, 443 (2001) 101

Electropolymerisation

Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, 431 (2001) 239

Electrospray

Fast interpretation of complex LC/MS data using chemometrics, 446 (2001) 467

Electrospray MS-MS

Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, 440 (2001) 3

Electrospray-mass spectrometry

Study of thorium hydrolysis species by electrospray-ionization mass spectrometry, 441 (2001) 269

Electrostatic interaction

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Electrothermal atomic absorption

Determination of chromium(III) and chromium(VI) in mineral water by bidirectional electrostacking and electrothermal atomic absorption spectrometry, 447 (2001) 135

Electrothermal atomic absorption spectrometry

Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, 428 (2001) 265

Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343

Slurry sampling for electrothermal atomic absorption spectrometric determination of chromium, nickel, lead and cadmium in sewage sludge, 437 (2001) 11

Electrothermal atomization

Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, 431 (2001) 157

Electrothermal vaporization

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Elemental distribution patterns

The potential of double focusing-ICP-MS for studying elemental distribution patterns in whole milk, skimmed milk and milk whey of different milks, 442 (2001) 191

Elemental mercury

In situ high temporal resolution analysis of elemental mercury in natural waters, 447 (2001) 153

ELISA

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31

Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, 441 (2001) 1

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Development of a class-selective enzyme immunoassay for urinary phenolic glucuronides, 444 (2001) 27

Development of a class-specific immunoassay for the type I pyrethroid insecticides, 444 (2001) 119

Comparison of immunoassay with a conventional method for the determination of Diazinon in surface waters, 444 (2001) 163

Novel colorimetric immunoassay for the detection of aflatoxin B₁, 444 (2001) 187

Elution

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

Emission intensity

Effect of acid concentrations on the excitation temperature for vanadium ionic lines in inductively coupled plasma-optical emission spectrometry, 447 (2001) 171

Empirical relationships

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines $NH_2(CH_2)_nNH_2$ (n = 2-10), 436 (2001) 333

Emulsion sensor

Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, 449 (2001) 81

Enantiomer

Use of circular dichroism and artificial neural networks for the kinetic-spectrophotometric resolution of enantiomers, 431 (2001) 115

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Rapid electrochromatographic enantiomer separations on short molecularly imprinted polymer monoliths, 435 (2001) 43

Application of diffuse reflectance infrared Fourier transform spectroscopy combined with artificial neural networks in analysing enantiomeric purity of terbutaline sulphate bulk drug, 449 (2001) 157

Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, 450 (2001) 1

Enantiomeric separation

Enantioseparation of underivatized amino acids by capillary electrophoresis using copper(II)-(S)-3-aminopyrrolidine-L-histidine ternary complex as the chiral selector, 426 (2001) 65

Enantioselectivity

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, 435 (2001) 177

Enantioseparation

Enantioseparation of *o*-phthaldiadehyde derivatized amino acids using β-CD-modified micellar electrokinetic chromatography in the mixed aqueous-organic media, 433 (2001) 23

End point location

Monosegmented flow titrator, 438 (2001) 67

End-column amperometric detection

Determination of allopurinol and its active metabolite oxypurinol by capillary electrophoresis with end-column amperometric detection, 442 (2001) 121

Endocrine disrupting chemicals

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1

Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223

Endocrine disruptors

Gas chromatographic-mass spectrometric method for separation and detection of endocrine disruptors from environmental water samples, 428 (2001) 227

Endospore

Sensors for detection of calcium associated with bacterial endospore suspensions, 435 (2001) 239

End-point

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Energy dispersive X-ray fluorescence (EDS)

Roman wall paintings characterization from Cripta del Museo and Alcazaba in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

Energy transfer

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

Europium sensitized chemiluminescense determination of rufloxacin, 445 (2001) 169

ENFET

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Enhanced oil recovery

The analysis of alkylphenol ethoxysulphonate surfactants by highperformance liquid chromatography, liquid chromatographyelectrospray ionisation-mass spectrometry and matrix-assisted laser desorption ionisation-mass spectrometry, 445 (2001) 255

Enhanced-fluidity liquid

Separation of dimer acids using enhanced-fluidity liquid chromatography, 449 (2001) 221

Enhancement effect of a cool body

Study on the role of the cool body for the enhancement of sulphur diatomic molecular emission in a hydrogen flame with a multi-channel spectral analyser, 426 (2001) 127

Enhancer

Determination of the flavor enhancer maltol through a FIA — direct chemiluminescence procedure, 438 (2001) 157

Enkephalins

Development of an on-line size exclusion chromatographic reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

Enrichment

Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, 428 (2001) 209

Ensemble methods

Decompositive classification models for electronic noses, 446 (2001) 223

Environment vapor monitor

Detection of alcohols using UV-ion mobility spetrometers, 431 (2001) 293

Environmental analysis

Part per trillion level determination of isoproturon in certified and estuarine water samples with a direct optical immunosensor, 426 (2001) 209

Environmental monitoring

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Environmental pollutants

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1

Environmental samples

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Environmental soil sample

Variable selection in classification of environmental soil samples for partial least square and neural network models, 446 (2001) 233

Environmental standards

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

Environmental water samples

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Enzymatic extraction

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Enzymatic kinetics

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15

Enzymatic reaction

Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438 (2001) 59

Enzymatically amplified assay

Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor, 429 (2001) 27

Enzyme flow immunoassay

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Enzyme immobilization

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Enzyme-linked immunosorbent assay (ELISA)

Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction, 428 (2001) 191

Enzymic derivatisation

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

Ephedrines

Chiral separation of ephedrines by liquid chromatography using βcyclodextrins, 434 (2001) 315

Epinephrine

Flow-injection electrogenerated chemiluminescence determination of epinephrine using luminol, 441 (2001) 81

Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, 448 (2001) 257

Epirubicin

Interaction of the anticancer drug epirubicin with DNA, 437 (2001) 107

EPR spectrometry

Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, 437 (2001) 131

EOCM

Quantification of dopant ions in polypyrrole films with electrochemical ICP-atomic emission spectrometry and comparison to electrochemical quartz crystal microbalance studies, 441 (2001) 123

Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, 447 (2001) 11

Equilibrium chemistry

Influence of geometry and equilibrium chemistry on relative recovery during enhanced microdialysis, 436 (2001) 21

Equivalence volumes

General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, 428 (2001) 309

Error calculation

General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part IV. Application to potentiometric titration, 428 (2001) 309

Error estimation

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

Error propagation

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

Errors in both axes

Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, 446 (2001) 49

Erythrocytes

Determination of ionized magnesium in erythrocytes using a potentiometric analyzer, 448 (2001) 251

Escherichia coli

Rapid detection of Escherichia coli in water by a culture-based amperometric method, 427 (2001) 149

Comparison of the Spreeta st surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Essential amino acids

Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, 445 (2001) 245

Essential oils

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

17β-estradiol

Molecular imprinting on microgel spheres, 435 (2001) 187

Estrogen

Development of molecularly imprinted phase for the selective retention of stilbene-type estrogenic compounds, 433 (2001) 71

Estuaries

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

ETHT 2418

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

2-Ethylhexyl 4-methoxycinnamate

Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183

17α-Ethynylestradiol

Simple NMR experiments as a means to predict the performance of an anti-17α-ethynylestradiol molecularly imprinted polymer, 435 (2001) 137

Europium

Europium sensitized chemiluminescense determination of rufloxacin, 445 (2001) 169

Europium(III)

Determination of chlortetracycline in body fluids with the complex cation of chlortetracycline—europium(III)—trioctylphosphine oxide by total internal reflected fluorescence at a water/tetra-chloromethane interface, 442 (2001) 89

Eutrophication

High temporal resolution field monitoring of phosphate in the River Frome using flow injection with diode array detection, 440 (2001) 55

Evaporative light scattering detector

Usefulness of the evaporative light scattering detector for direct screening of biological fluids, 435 (2001) 281

Evolving subwindow comparison

Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography, 428 (2001) 235

Excess magnitudes of mixing

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

Excitation-emission matrix

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Excluded-volume interaction

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Expanded porphyrin

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

Experimental design

Interactions of soil components and their effects on speciation of chromium in soils, 439 (2001) 9

The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, 439 (2001) 211

Expert system

Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, 429 (2001) 151

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

Extended delta-bar-delta (EDBD) algorithms

Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, 433 (2001) 145

External calibration

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

Extraction

Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, 426 (2001) 95

Spectrophotometric determination of vitamin C with iron(II)-4-(2pyridylazo)resorcinol complex, 427 (2001) 245

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Isolation of aucubin and catalpol from Melitaea cinxia larvae and quantification by micellar electrokinetic capillary chromatography, 429 (2001) 91

Supported liquid membrane extraction of aromatic aminophosphonates, 433 (2001) 227

Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, 436 (2001) 69

Dual wetting-film multi-syringe flow injection analysis extraction. Application to the simultaneous determination of nitrophenols, 438 (2001) 103

Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, 438 (2001) 117

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Extraction chromatography

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, 443 (2001) 81

Plutonium determination in mineral soils and sediments by a procedure involving microwave digestion and extraction chromatography, 447 (2001) 179

Extraction procedures

Gas chromatography—mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, 434 (2001) 59

Extraction selectivity

Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,N-bis(2-pyridylmethylidene)-1,2diiminoethane and its analogues, 441 (2001) 157

F

Facilitated transport

Facilitated transport and separation of aromatic amino acids through activated composite membranes, 431 (2001) 59

Factor-determining methods

Efficient way to estimate the optimum number of factors for trilinear decomposition, 444 (2001) 295

Factorial designs

Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Far UV

Alternative method for the measurement of ammonium nitrogen in wastewater, 437 (2001) 145

Fast atom bombardment-mass spectrometer

Silicate species in high pH solution molybdate, whose silica concentration is determined by colorimetry, 429 (2001) 117

Fast calibration methods

Mutlivariate calibration with Raman data using fast principal component regression and partial least squares methods, 450 (2001) 123

Fast reductions

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethyl-quinoxaline, 449 (2001) 119

Fast-conductance

Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, 439 (2001) 1

Fats and oils

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

Fatty acids

Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, 431 (2001) 303

FDOM

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Fe

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Fe(II)

Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, 432 (2001) 229

Fe(III)

Determination of Fe(III) and total Fe in wines by sequential injection analysis and flame atomic absorption spectrometry, 438 (2001) 227

Feature selection

Genetic algorithm for fuel spill identification, 437 (2001) 233 Feature selection in sequential projection pursuit, 446 (2001) 85

Fecal acid sterols

An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, 432 (2001) 317

Fecal neutral sterols

An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, 432 (2001) 317

Feedback mechanisms

Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, 441 (2001) 309

Fenamipho

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Fenoxycarb

Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry, 436 (2001)

Fermentation

Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, 428 (2001) 41

Ferric cation

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Ferricyanide

Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, 442 (2001) 129

Ferrocene

Fructose biosensor based on p-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, 439 (2001) 39

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

α-Fetoprotein

Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label, 448 (2001) 165

uFIA

The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor, 428 (2001) 155

FIA

All-solid-state surfactant sensing electrode using conductive polymer as internal electric contact, 437 (2001) 67

Flow-injection chemiluminometric assay of superoxide dismutase, 438 (2001) 137 Flow-injection analysis study of the chemiluminescent behaviour of

proflavine and acriflavine, 438 (2001) 149

Determination of the flavor enhancer maltol through a FIA — direct

chemiluminescence procedure, 438 (2001) 157

Electrogenerated chemiluminescence determination of cefadroxil antibiotic, 442 (2001) 201

L-Glutamate determination in food samples by flow-injection analysis, 448 (2001) 207

FIA calibration

Univariate calibration techniques in flow injection analysis, 438 (2001) 323

FIA/SIA on-line ion-exchange

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

FIA-DAD

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

FIA-spectrofluorimetry

Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysisspectrofluorimetry, 436 (2001) 49

Fiber optic biosensor

Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, 434 (2001) 239

Fiber optic biosensor for detection of DNA damage, 444 (2001) 51

Fiber optic sensors

Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, 429 (2001) 55

On-line monitoring of nitric oxide complexed with porphyrinebearing biochemical materials by using flow injection with chemiluminescence detection, 435 (2001) 273

Fiber-optic probes

Characterization of diffuse reflectance fiber probe sampling on moving solids using a Fourier transform near-infrared spectrometer, 431 (2001) 125

Fibre optic reflectance spectroscopy

Non-invasive fibre optic Fourier transform-infrared reflectance spectroscopy on painted layers. Identification of materials by means of principal component analysis and Mahalanobis distance, 446 (2001) 15

Field-flow fractionation

Frit inlet/frit outlet flow field-flow fractionation: methodology for colored dissolved organic material in natural waters, 443 (2001) 171

Figures of merit

Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, 432 (2001) 241

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Film mercury electrode

Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, 441 (2001) 107

Fingerprint data

Genetic algorithm for fuel spill identification, 437 (2001) 233

Firefly luciferase

Development of highly sensitive bioluminescent enzyme immunoassay with ultra-wide measurable range for thyroid-stimulating hormone using firefly luciferase, 429 (2001) 19

First-order calibration

Quantitative determinations in conventional flow injection analysis based on different chemometric calibration statregies: a review, 438 (2001) 335

Cick

Analysis of solid samples by capillary electrophoresis using a gas extraction sampling device in a flow system, 438 (2001) 315

Fission products

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

Flame atomic absorption spectrometry

Use of microwave single extractions for metal fractionation in sewage sludge samples, 431 (2001) 209

Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction, 434 (2001) 325

Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron(III), 435 (2001) 351

Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium, 437 (2001) 17

Examination of interferences in flame atomic absorption spectrometry using a flow injection technique, 438 (2001) 187

- On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry, 445 (2001) 145
- Automatic determination of ascorbic acid by flame atomic absorption spectrometry, 448 (2001) 157
- Determination of cadmium, copper, lead and zinc in water samples by flame atomic absorption spectrometry after cloud point extraction, 450 (2001) 215

Flavor

Determination of the flavor enhancer maltol through a FIA — direct chemiluminescence procedure, 438 (2001) 157

Floodplains

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001) 97

Flourescence

Non-ionic micellar solubilization — spectrofluorimetric determination of trace of germanium(IV) with quercetin in real samples, 447 (2001) 219

Flow

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

Flow analysis

- Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, 438 (2001) 3
- Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75
- Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, 443 (2001) 143

Flow dependence

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Flow electrochemical enzyme immunoassay

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Flow immunoassay

- Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185
- Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, 439 (2001) 125

Flow injection (FI)

- Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumrase and malate dehydrogenase with chemiluminescence detection, 428 (2001) 1
- Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

- Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183
- Flow injection renewable drops technique for assay of microamounts of DNA, 432 (2001) 135
- Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant, 432 (2001) 311
- Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119
- Flow-injection spectrophotometric determination of cobalt(II) at low µg 1⁻¹ levels with 4-benzylpiperidinedithiocarbamate, 434 (2001) 143
- Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343
- Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron(III), 435 (2001) 351
- Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253
- Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93
- Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, 438 (2001) 117
- Automated flow injection fluorimetric determination and dissolution studies of burnetanide in pharmaceuticals, 438 (2001) 131
- Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195
- Flow injection system for cadmium preconcentration on poly(octadecyl diitaconate) (PDI-18) and atomic absorption spectrometry detection, 438 (2001) 259
- Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229
- Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine, 439 (2001) 281
- UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27
- High temporal resolution field monitoring of phosphate in the River Frome using flow injection with diode array detection, 440 (2001) 55
- Flow-injection spectrofluorimetric determination of dissolved inorganic and organic phosphorus in waters using on-line photooxidation, 442 (2001) 147
- Novel colorimetric immunoassay for the detection of aflatoxin B_1 , 444 (2001) 187

- Flow-injection chemiluminescence sensor for the determination of isoniazid, 444 (2001) 287
- Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, 445 (2001) 229
- On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143
- Flow-injection solvent extraction with and without phase separation. Fluorimetric determination of aluminium in water, 447 (2001) 211
- Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, 447 (2001) 229
- Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry chemometrics, 448 (2001) 61
- Investigation on the chemiluminescence reaction of luminol- H_2O_2 - S^2 -/R-SH system, 448 (2001) 79
- On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151
- Automatic determination of ascorbic acid by flame atomic absorption spectrometry, 448 (2001) 157
- Direct olive oil anisidine value determination by flow injection, 448 (2001) 201
- Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethyl-quinoxaline, 449 (2001) 119

Flow injection analysis (FIA)

- Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, 426 (2001) 33
- Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21
- Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride, 427 (2001) 93
- Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37
- Measurement of parts per million levels of potassium hydroxide in polyether polyol streams, 429 (2001) 101
- Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, 431 (2001) 239
- Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, 432 (2001) 59
- Flow-injection biamperometry for direct determination of hydroxylamine at two pretreated platinum electrodes, 434 (2001) 261
- Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123
- Determination of humic acid in natural waters by flow injection analysis with chemiluminescence detection, 438 (2001) 143
- Examination of interferences in flame atomic absorption spectrometry using a flow injection technique, 438 (2001) 187

- Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water, 438 (2001) 215
- Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235
- Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281
- Flow injection amperometry for the determination of iodate in iodized table salt, 438 (2001) 299
- Quantitative determinations in conventional flow injection analysis based on different chemometric calibration statregies: a review, 438 (2001) 335
- Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection, 439 (2001) 299
- Aliphatic polyamine oxidation response variability and stability at boron-doped diamond thin-film electrodes as studied by flowinjection analysis, 440 (2001) 119
- Flow-injection chemiluminescence determination of tetracyclines with in situ electrogenerated bromine as the oxidant, 440 (2001)
- Flow-injection electrogenerated chemiluminescence determination of epinephrine using luminol, 441 (2001) 81
- A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95
- Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, 442 (2001) 319
- Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257
- Europium sensitized chemiluminescense determination of rufloxacin, 445 (2001) 169
- Novel sensor based on copper-chelating affinity matrix for the specific uridine detection, 445 (2001) 191
- Prussian blue-based optical glucose biosensor in flow-injection analysis. 447 (2001) 23
- Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, 448 (2001) 215
- Disposable clay-coated screen-printed electrode for amitrole analysis, 449 (2001) 95
- Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

Flow injection system

Potentiometric flow injection system for the determination of polyethoxylate nonionic surfactants using tubular ion-selective electrodes, 438 (2001) 305

Flow sensor

Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, 432 (2001) 95

Flow system

Novel head for testing and measurement of chemical microsensors, 429 (2001) 347 Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Application to the determination of glucose in serum samples, 443 (2001) 17

Soft calibration in a flow system with electrochemical detection.

Application to the determination of phenolic compounds, 446
(2001) 269

Flow titration

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Monosegmented flow titrator, 438 (2001) 67

Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, 438 (2001) 83

Flow-batch analysis

Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, 441 (2001)

Flow-cell

Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103

Flow-injection spectrophotometric method

Simultaneous flow injection determination of ascorbic acid and cysteine using double flow cell, 438 (2001) 21

Flow-injection spectrophotometry

An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11

Flow-through fluoroimmunosensor

Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, 429 (2001) 337

Flow-through immunoanalysis

Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, 442 (2001) 207

Flow-through sensor

Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, 445 (2001) 161

Flow-through tubular ion-selective electrode

Potentiometric flow injection system for the determination of polyethoxylate nonionic surfactants using tubular ion-selective electrodes, 438 (2001) 305

Fluidies

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Fluorescein isothiocyanate conjugated immunoglobulin G

Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, 439 (2001) 125

Fluorescein tracer

Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185

Fluoresceinamine label

Antibody production and development of a polarization fluoroimmunoassay for the herbicide triclopyr, 439 (2001)

Fluorescence

Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5-triaziny-lamino)quinoline, 426 (2001) 51

Monofluorinated polycyclic aromatic hydrocarbons in Shpol'skii spectroscopy, 429 (2001) 49

Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237

Sensors for detection of calcium associated with bacterial endospore suspensions, 435 (2001) 239

Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123

Porphyrin-metalloporphyrin composite based optical fiber sensor for the determination of berberine, 439 (2001) 65

Speciation of organotin compounds in shellfish by liquid chromatography — fluorimetric detection, 443 (2001) 183

A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates, 445 (2001) 205

Fluorescence derivatization reagent

Determination of primary and secondary aliphatic amines by Nhydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate and reversed-phase high-performance liquid chromatography, 441 (2001) 45

Fluorescence detection

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185

Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, 442 (2001) 25

Fluorescence enhancing reagent

Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, 434 (2001) 201

Fluorescence immunoassay

New mimetic enzymatic sandwich immunoassay system by using oligo(N-isopropylacrylamide) with an active terminal group as a separating support, 435 (2001) 265

Fluorescence microscopy

Dendrimer enhanced immunosensors for biological detection, 444 (2001) 143

Fluorescence quenching

Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement, 429 (2001) 65

Flow injection renewable drops technique for assay of microamounts of DNA, 432 (2001) 135

Selective optode for o-mononitrophenol based on fluorescence quenching of a conjugated polymer, 439 (2001) 55

Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, 444 (2001) 103

Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, 444 (2001) 261

Fluorescence self-quenching

Rapid assay for avidin and biotin based on fluorescence quenching, 442 (2001) 79

Fluorescence spectroscopy

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, 449 (2001) 143

Fluorescence yield

Measurement of L subshell X-ray fluorescence cross-sections at 59.54 keV and L subshell fluorescence yields for elements in the atomic range $55 \le Z \le 81$, 441 (2001) 317

Fluorescent monomer

Selectivity of response in fluorescent polymers imprinted with N^1 -benzylidene pyridine-2-carboxamidrazones, 435 (2001) 129

Fluorescent reagent

Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5-triaziny-lamino)quinoline, 426 (2001) 51

Fluoride

Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, 428 (2001) 201

Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, 429 (2001) 111

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Fluorimetric detection

High performance liquid chromatography with fluorimetric detection for the determination of total homocysteine in human plasma: method and clinical applications, 429 (2001) 331

Flow-injection spectrofluorimetric determination of dissolved inorganic and organic phosphorus in waters using on-line photooxidation, 442 (2001) 147

Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, 447 (2001) 229

Fluorimetry

Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Study of tetra-substituted amino aluminum phthalocyanine as a new red-region substrate for the fluorometric determination of peroxidase and hydrogen peroxide, 434 (2001) 51

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

Study of nitroxide-linked naphthalene as a fluorescence probe for hydroxyl radicals, 434 (2001) 169

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, 436 (2001) 109

High sensitive determination of DNA by use of molecular "light switch" complex of Ru(phen)₂(dppx)²⁺, 436 (2001) 207

Automated flow injection fluorimetric determination and dissolution studies of burnetanide in pharmaceuticals, 438 (2001) 131

Fluorimetric determination of sulfite by the co-quenching effect of formaldehyde and sulfite on the fluorescence of tetra-substituted amino aluminum phthalocyanine, 448 (2001) 71

Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, 449 (2001) 179

Fluorination-assisted ETV-ICP-AES

Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, 433 (2001) 255

1-Fluoro-2,4-dinitrobenzene

Analysis of phenols in pharmaceuticals by liquid chromatography after pre-column labelling and on-line post-column photochemical derivatization, 447 (2001) 89

Fluorobenzofurazan reagents

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001)

Fluorocarbon oil

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Fluoroform

Separation of dimer acids using enhanced-fluidity liquid chromatography, 449 (2001) 221

Fluorogenic reagent

Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001) 37

Fluorometry

Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, 428 (2001) 201

Fluoropolymer

Green luminescent iridium(III) complex immobilized in fluoropolymer film as optical oxygen-sensing material, 445 (2001) 177

Focused microwaves

Selenium determination in urine with atomic fluorescence detection, 436 (2001) 215

Focused sonication

Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, 442 (2001) 305

Food

L-Glutamate determination in food samples by flow-injection analysis, 448 (2001) 207

Food samples

Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, 429 (2001) 337

Foods

Approach to the content of total extractable phenolic compounds from different food samples by comparison of chromatographic and spectrophotometric methods, 427 (2001) 119

Spectrophotometric method for determination of germanium in foods with new color reagent trimethoxylphenylfluorone, 445 (2001) 153

Forensic research

Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

Forensic science

Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223

Desorption-ionization on silicon mass spectrometry: an application in forensics, 442 (2001) 183

Formaldehyde

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

Conductometric formaldehyde sensitive biosensor with specifically adapted analytical characteristics, 445 (2001) 47 Fluorimetric determination of sulfite by the co-quenching effect of formaldehyde and sulfite on the fluorescence of tetra-substituted amino aluminum phthalocyanine, 448 (2001) 71

Formetanate

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Fosinopril

Simultaneous determination of fosinopril and hydrochlorothiazide in tablets by derivative spectrophotometric and high-performance liquid Chromatographic methods, 427 (2001) 253

Fourier transform infrared (FTIR)

Roman wall paintings characterization from *Cripta del Museo* and *Alcazaba* in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

Fourier transform infrared spectroscopy

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

New technique for diagnosis and monitoring of alcaptonuria: quantification of homogentisic acid in urine with mid-infrared spectrometry, 429 (2001) 287

Fractional determination

Liquid chromatography — catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), 431 (2001) 141

Fractional factorial design

Development of a generic flow injection analysis method for compounds with a secondary amine or amide function, using an experimental design approach. I. Selection and evaluation of the FIA system parameters, 446 (2001) 413

Fractionation

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Fragment ion

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Freundlich adsorption isotherm

Application of the Freundlich adsorption isotherm in the characterization of molecularly imprinted polymers, 435 (2001) 35

Fructose

Fructose biosensor based on p-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, 439 (2001) 39

Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, 448 (2001) 215

Fructose dehydrogenase

Fructose biosensor based on p-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane, 439 (2001) 39

Fructosylamine

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Fructosylamine oxidase

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Fruits

Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, 437 (2001) 131

FT Raman spectroscopy

Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223

FTIR

Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler, 442 (2001) 267

Non-invasive fibre optic Fourier transform-infrared reflectance spectroscopy on painted layers. Identification of materials by means of principal component analysis and Mahalanobis distance, 446 (2001) 15

Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257

FTIR microscopy

Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, 444 (2001) 241

FTIR spectrometry

Fourier transform infrared spectrometric determination of thiourea in the presence of sulphur dioxide in aqueous solution, 437 (2001) 139

FTIR spectroscopy

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

FTIR-ATR spectrometry

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

FTIR-photoacoustic spectrometry

Diffusion of nitroglycerin from drug delivery patches through micro-fibre filters using Fourier transform infrared photoacoustic spectrometry, 427 (2001) 63

FT-NIR spectrometer

Characterization of diffuse reflectance fiber probe sampling on moving solids using a Fourier transform near-infrared spectrometer. 431 (2001) 125

Fuberidazole

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83

Fuel spill identification

Genetic algorithm for fuel spill identification, 437 (2001) 233

Fullerene

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77

Fulvic acid

Effect of fulvic acid concentration on modeling electrostatic and heterogeneity effects in proton binding reactions, 434 (2001)

FUMI theory

Deductive prediction of precision and detection limit in bioluminescent measurement systems, 441 (2001) 243

Fumigated foodstuffs

Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide, 436 (2001) 245

Furanics

Pulsed amperometric detection of furan compounds in transformer oil, 450 (2001) 253

Fuzzy clustering

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

G

GA

Feature selection by genetic algorithms for mass spectral classifiers, 446 (2001) 485

Gallium

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Gallium indium and cobalt porphyrins

Potentiometric and spectroscopic characterization of anion selective electrodes based on metal(III) porphyrin ionophores in polyurethane membranes, 432 (2001) 67

Gas

Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, 448 (2001) 221

Gas chromatography

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, 433 (2001) 145

Gas chromatography-mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, 434 (2001) 59

Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides, 436 (2001) 153

Optimised chromatographic method for the measurement of selected polychlorinated biphenyls in ambient air, 440 (2001) 223

Determination and prediction of the average polymerization degree of alkyl polyglucosides, 440 (2001) 231

Gas chromatographic method for the sensitive determination of 2,5hexanedione using electron capture and mass-selective detection, 442 (2001) 231

Comparison of immunoassay with a conventional method for the determination of Diazinon ^R in surface waters, 444 (2001) 163

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

Gas chromatography/mass spectrometry

Analytical pyrolysis of carbohydrates in the presence of hexamethyldisilazane, 449 (2001) 271

Gas chromatography-mass spectrometry (GC-MS)

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

Gas dialysis

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001)

Gas diffusion

A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, 427 (2001) 279

Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine, 443 (2001) 153

Gas sensor arrays

Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, 431 (2001) 11

Gas titration

Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pump-gauge, 435 (2001) 247

Gas-liquid chromatography

An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, 432 (2001) 317

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

Gas-phase absorptiometry

Integrated analytical pervaporation-gas-phase absorptiometry: theoretical aspects and applications, 434 (2001) 81

Gas-segmented continuous flow analysis

Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell, 438 (2001) 49

GC/ECD

Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, 428 (2001) 111

GC/MS

Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, 431 (2001) 11

GC-MS

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Gas chromatographic-mass spectrometric method for separation
and detection of endocrine disruptors from environmental water
samples, 428 (2001) 227

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatographymass spectrometry, 439 (2001) 115

Gene expression

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Generalised procrustes analysis

Feature selection in sequential projection pursuit, 446 (2001) 85

Generalized standard addition

Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, 439 (2001) 87

Generic FIA system

Development of a generic flow injection analysis method for compounds with a secondary amine or amide function, using an experimental design approach. I. Selection and evaluation of the FIA system parameters, 446 (2001) 413

Genetic algorithm

Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, 433 (2001) 111

Genetic algorithm for fuel spill identification, 437 (2001) 233 Feature selection in sequential projection pursuit, 446 (2001) 85

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

Genetically-designed bacteria

Simultaneous detection of analytes based on genetically engineered whole cell sensing systems, 444 (2001) 251

Genomics

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Genotoxic detection

Electrochemical DNA biosensor for environmental monitoring, 427 (2001) 155

Genotoxicity

Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, 426 (2001) 167

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001) 191

Application of the *Lux-Fluoro* test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant *Salmonella typhimurium* TA1535 cells, 437 (2001) 23

Gentamicin

Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37

Geographical origin

Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195

Geometric isomers

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Germanium

Spectrophotometric method for determination of germanium in foods with new color reagent trimethoxylphenylfluorone, 445 (2001) 153

Germanium(IV)

Non-ionic micellar solubilization — spectrofluorimetric determination of trace of germanium(IV) with quercetin in real samples, 447 (2001) 219

GF-AAS

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

Glass paper

Determination of protein content using a solid phase spectrophotometric procedure, 433 (2001) 155

Glass-peak correction

Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra. 446 (2001) 71

Glassy carbon electrode

Study on the electrochemical behavior of dopamine with poly(sulfosalicylic acid) modified glassy carbon electrode, 441 (2001) 117

Globin

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Glucose

Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, 426 (2001) 33

Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, 432 (2001) 95

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, 442 (2001) 257

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, 448 (2001) 215

Glucose biosensor

Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, 426 (2001) 33

Glucose dehydrogenase

Determination of phenolic compounds using recombinant tyrosinase from *Streptomyces antibioticus*, 427 (2001) 201

Glucose oxidase

Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, 426 (2001) 33

Sol-gel based thermal biosensor for glucose, 427 (2001) 1

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Glucuronides

Development of a class-selective enzyme immunoassay for urinary phenolic glucuronides, 444 (2001) 27

Glutamate

Improvement in signal reliability when measuring L-glutamate released from cullured cells using multi channel microfaricated sensors, 441 (2001) 165

Glutathione

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Glycated hemoglobin

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Glycogen

Determination of glycogen by Rayleigh light scattering, 431 (2001) 133

Gold

Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, 436 (2001) 69

Simultaneous determination of gold and palladium with 5(p-dimethylaminobenzylidene)rhodanine by using the H-point standard addition method in micellar media, 437 (2001) 273

Gold ores

Fourier transform infrared spectrometric determination of thiourea in the presence of sulphur dioxide in aqueous solution, 437 (2001) 139

Grafted textiles

Removal of heavy metals in industrial wastewaters by ion-exchanger grafted textiles, 428 (2001) 121

Grafting polymerization

Impedometric herbicide chemosensors based on molecularly imprinted polymers, 435 (2001) 157

Gran method

Extended Gran method and its applicability for simultaneous determination of Fe(II) and Fe(III), 442 (2001) 287

Gran's potentiometric titration

Sequential injection analysis of captopril based on colorimetric and potentiometric detection, 438 (2001) 31

Granular samples

Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, 434 (2001) 113

Graphite

Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base, 440 (2001) 81

Graphite furnace atomic absorption spectrometry

Continuous liquid-liquid extraction using modified subcritical water for the demetalisation of used industrial oils, 433 (2001) 47

Graphite sensor

Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199

Green fluorescent protein

Suitability of enhanced green fluorescent protein as a reporter component for bioassays, 426 (2001) 175

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001) 191

Application of the *Lux-Fluoro* test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant *Salmonella typhimurium* TA1535 cells, 437 (2001) 23

Groundwater

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135

Guests

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Guided microwave spectroscopy

The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185

Gunn diode

Quantitative millimetre wavelength spectrometry. Part V: Observation of dispersive gas spectra with a millimetre wavelength confocal Fabry-Perot cavity spectrometer, 433 (2001)

H

H*-selective ionophores

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

Hair

Gas chromatography-mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, 434 (2001) 59

Hanging mercury drop electrode

Voltammetric determination of the insecticide buprofezin in soil and water, 432 (2001) 21

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethyl-quinoxaline, 449 (2001) 119

Hapten

An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, 444 (2001) 61

Hard-modelling

Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes, 442 (2001) 337

HDEHP

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

Headspace

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

Headspace solid-phase microextraction

Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions, 436 (2001) 31

Health and safety

Simple dip strip ELISA for airborne estrogenic steroids, 444 (2001) 79

Heat-labile enterotoxin

Comparison of the Spreeta ** surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Heavy metal

Use of microwave single extractions for metal fractionation in sewage sludge samples, 431 (2001) 209

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, 442 (2001) 305

Screen-printed anodic stripping voltammetric sensor containing HgO for heavy metal analysis, 443 (2001) 241

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, 450 (2001) 193

Heavy metal determination

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103

Heavy metal removal

Removal of heavy metals in industrial wastewaters by ion-exchanger grafted textiles, 428 (2001) 121

He-Cd laser at 325 nm

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001)

Helicobacter pylori

Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor, 429 (2001) 27

Helium microwave-induced plasma

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Hemoglobin

Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, 445 (2001) 161

Heparin

Determination of heparin levels in blood with activated partial thromboplastin time by a piezoelectric quartz crystal sensor, 432 (2001) 101

Resonance Rayleigh scattering spectra for studying the interaction of heparin with some basic phenothiazine dyes and their analytical applications, 449 (2001) 261

Heparin-azure A dye complex

Determination of protamine using microtiter plate-format optodes, 439 (2001) 47

Herbicides

Na₄EDTA-assisted in situ derivatization pressurized fluid extraction of polar herbicides in soil, 434 (2001) 283

Herbs

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Hexadecylpyridinium chloride (HD)

Flow-injection with chemiluminescence detection for the determination of iproniazid, 437 (2001) 225

Hexadimethrin bromide

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15

2,5-Hexanedione (2,5HD)

Gas chromatographic method for the sensitive determination of 2,5hexanedione using electron capture and mass-selective detection, 442 (2001) 231

Hexavalent chromium

Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295

Hexavalent uranium

Antibodies and antibody-based assays for hexavalent uranium, 444 (2001) 3

Hg2+

Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, 444 (2001) 261

HCAAS

Determination of tellurium in urine by hydride generation atomic absorption spectrometry with derivative signal processing, 448 (2001) 145

HG-AFS

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

High performance liquid chromatography

Simultaneous determination of fosinopril and hydrochlorothiazide in tablets by derivative spectrophotometric and high-performance liquid Chromatographic methods, 427 (2001) 253

Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, 429 (2001) 125

Simple derivatization method for sensitive determination of fatty acids with fluorescence detection by high-performance liquid chromatography using 9-(2-hydroxyethyl)-carbazole as derivatization reagent, 436 (2001) 163

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Voltammetric behavior of chlorhexidine at a film mercury electrodes and its determination in cosmetics and oral hygiene products, 441 (2001) 107

The analysis of alkylphenol ethoxysulphonate surfactants by highperformance liquid chromatography, liquid chromatographyelectrospray ionisation-mass spectrometry and matrix-assisted laser desorption ionisation-mass spectrometry, 445 (2001) 255

Reversed-phase high-performance liquid chromatography on-line with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins, 449 (2001) 243

High pressure ashing

Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203

High pressure digestion

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

High resolution mass spectrometry

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

High-leverages

Detection of single influential points in OLS regression model building, 439 (2001) 169

High-performance liquid chromatography-mass spectrometry (LC-MS)

Identification of isoflavone conjugates in red clover (*Trifolium pratense*) by liquid chromatography—mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

High-temperature catalytic oxidation

High-temperature catalytic oxidation method for measuring total dissolved nitrogen in K₂SO₄ soil extracts, 445 (2001) 107

High-throughput screening

Selectivity of response in fluorescent polymers imprinted with N¹benzylidene pyridine-2-carboxamidrazones, 435 (2001) 129

Hill equation

Criterion for Hill equation validity for description of biosensor calibration curves, 427 (2001) 11

Histamine

Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123

HIV

Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, 435 (2001) 107

HLA/XS

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

HMS

Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, 434 (2001) 269

H-NMR

Study of the interaction of a cis-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Hollow waveguide

Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler, 442 (2001) 267

Homocysteine

High performance liquid chromatography with fluorimetric detection for the determination of total homocysteine in human plasma: method and clinical applications, 429 (2001) 331

Homogeneous fluoroimmunoassay

Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, 444 (2001) 103

Horse radish peroxidase

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Horseradish peroxidase

Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using *p*-aminophenol as substrate and its application in detection of plant virus, 434 (2001) 43

Study of tetra-substituted amino aluminum phthalocyanine as a new red-region substrate for the fluorometric determination of peroxidase and hydrogen peroxide, 434 (2001) 51

Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, 434 (2001) 255

Amperometric hydrogen peroxide biosensor with silica sol-gel/ chitosan film as immobilization matrix, 437 (2001) 87

HPLC

Approach to the content of total extractable phenolic compounds from different food samples by comparison of chromatographic and spectrophotometric methods, 427 (2001) 119

Determination of L.(-)-malic acid and L.(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Optimisation of sample preparation for the determination of *trans*resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, 428 (2001) 245

BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and ι-configuration determination method, 429 (2001) 293

High performance liquid chromatography with fluorimetric detection for the determination of total homocysteine in human plasma: method and clinical applications, 429 (2001) 331

Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237

Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, 437 (2001) 39

Separation of rare earth elements by high performance liquid chromatography using a covalent modified silica gel column, 439 (2001) 247

Determination of enantiomeric excess of dextropropoxyphene and α -(+)-oxyphene by chiral high-performance liquid chromatography, 441 (2001) 297

Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, 443 (2001) 91

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

Simultaneous determination of L-arginine and dimethylarginines in human urine by high-performance liquid chromatography, 444 (2001) 223

A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates, 445 (2001) 205 Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, 447 (2001) 101

Separation of dimer acids using enhanced-fluidity liquid chromatography, 449 (2001) 221

HPLC method

Relation of sorption behavior of agricultural chemicals in solidphase extraction with their n-octanol/water partition coefficients evaluated by high-performance liquid chromatography (HPLC), 428 (2001) 219

HPLC separation

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines $NH_2(CH_2)_nNH_2$ (n = 2-10), 436 (2001) 333

HPLC-DAD

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

HPLC-ECD

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by highperformance liquid chromatography, 439 (2001) 239

HPLC-ICP-MS

Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, 440 (2001) 3

H-point standard addition method

Simultaneous determination of gold and palladium with 5(p-dimethylaminobenzylidene)rhodanine by using the H-point standard addition method in micellar media, 437 (2001) 273

Simultaneous spectrophotometric determination of chromium(VI) and iron(III) with chromogenic mixed reagents by H-point standard addition method and partial least squares regression, 442 (2001) 327

HPSAM

Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, 436 (2001) 325

HR-ICP-MS

Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS, 436 (2001) 233

H2tpp

Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, 444 (2001) 261

Human chorionic gonadotrophin

Flow immunoassay for detection of human chorionic gonadotrophin using a cation exchange resin packed capillary column, 439 (2001) 125

Human liver

Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, 439 (2001) 19

Human serum albumin

Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, 443 (2001) 91

Human urine

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

Humic acid

Determination of humic acid in natural waters by flow injection analysis with chemiluminescence detection, 438 (2001) 143

Humic substances

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Flow injection method for iron fractionation by reaction with oxinederivatised Fractogel, 433 (2001) 289

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281

Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Application of potentiometry to characterize acid and basic sites in humic substances. Testing the BEST7 program with a weak-acid mixture, 445 (2001) 89

Humidity sensor

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Hybridization

Interaction of the anticancer drug epirubicin with DNA, 437 (2001) 107

Fiber optic biosensor for detection of DNA damage, 444 (2001) 51 Electrochemical DNA biosensor for the determination of benzo[a]pyrene–DNA adducts, 450 (2001) 45

Hydration number

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

Hydrazine

Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine, 439 (2001) 281

Hydride generation

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, 431 (2001) 157

Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303

Speciation of Se(IV) and the selenoamino acids by high-performance liquid chromatography-direct hydride generation-atomic fluorescence spectrometry, 435 (2001) 367

Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, 443 (2001) 277

Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, 445 (2001) 229

Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Hydrochlorothiazide

Simultaneous determination of fosinopril and hydrochlorothiazide in tablets by derivative spectrophotometric and high-performance liquid Chromatographic methods, 427 (2001) 253

Hydrocortisone

Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Hydrogen bonding

Simple NMR experiments as a means to predict the performance of an anti-17α-ethynylestradiol molecularly imprinted polymer, 435 (2001) 137

Hydrogen peroxide

Chemiluminescent flow sensor for H₂O₂ based on the decomposition of H₂O₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin, 426 (2001) 57

Study of tetra-substituted amino aluminum phthalocyanine as a new red-region substrate for the fluorometric determination of peroxidase and hydrogen peroxide, 434 (2001) 51

- Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103
- Amperometric hydrogen peroxide biosensor with silica sol-gel/ chitosan film as immobilization matrix, 437 (2001) 87
- Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, 441 (2001) 73
- Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector, 442 (2001) 63
- Hydrogen peroxide biosensor with enzyme entrapped within electrodeposited polypyrrole based on mediated sol-gel derived composite carbon electrode, 443 (2001) 9
- Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, 445 (2001) 161

Hydrogen sulphide

Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, 449 (2001) 189

Hydrolysable

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Hydrolysis

- Study of thorium hydrolysis species by electrospray-ionization mass spectrometry, 441 (2001) 269
- Recovery of phenolic compounds from *Olea europaea*, 445 (2001) 67
- Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257

 Determination of Cr(III) and Cr(VI) species in natural waters by catalytic cathodic stripping voltammetry, 448 (2001) 121

Hydrophilic polyurethane

Planar amperometric oxygen sensor with improved preconditioning property, 431 (2001) 261

Hydrophobic interaction

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Hydrophobic substances

Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, 426 (2001) 167

Hydroquinine hydrochloride

Ion-pair formation of hydroquinine by chromatography, 426 (2001) 85

Hydrotalcites

Sulfate-selective electrodes based on hydrotalcites, 439 (2001) 265

Hydroxybenzoic acid

Influence of intramolecular hydrogen bond of templates on molecular recognition of molecularly imprinted polymers, 450 (2001) 53

9-(2-Hydroxyethyl)-carbazole

Simple derivatization method for sensitive determination of fatty acids with fluorescence detection by high-performance liquid chromatography using 9-(2-hydroxyethyl)-carbazole as derivatization reagent, 436 (2001) 163

Hydroxyl radical

- New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313
- Study of nitroxide-linked naphthalene as a fluorescence probe for hydroxyl radicals, 434 (2001) 169

Hydroxylamine

Flow-injection biamperometry for direct determination of hydroxylamine at two pretreated platinum electrodes, 434 (2001) 261

2-Hydroxy-1-naphthaldehydene-8-aminoquinoline

Spectrofluorimetric determination of trace amounts of molybdenum in pig liver and mussels, 439 (2001) 307

Hydroxypropazine

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

8-Hydroxyquinoline

- Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293
- Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysis– spectrofluorimetry, 436 (2001) 49

Hyphenated chromatography

- Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography, 428 (2001)
- Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313
- Evaluation of separation quality in two-dimensional hyphenated chromatography, 450 (2001) 99

Hysteresis

- Hysteresis in optical sensing and its impact on the analytical error of a calibration-free acid sensor, 433 (2001) 97
- Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

I

Ibuprofe

Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, 450 (2001) 1

ICP-AES

Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon, 426 (2001) 79

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water, 440 (2001) 207

ICP-AES/shielding system

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

ICP-MS

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, 434 (2001) 291

Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry, 436 (2001) 59

Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, 436 (2001) 79

Orthodox uncertainty budgeting for high accuracy measurements by isotope dilution inductively coupled plasma-mass spectrometry, 437 (2001) 1

Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water, 438 (2001) 215

Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, 441 (2001) 291

Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, 442 (2001) 141

ICP-MS analysis

Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide, 436 (2001) 245

ICP-OES

Effect of acid concentrations on the excitation temperature for vanadium ionic lines in inductively coupled plasma-optical emission spectrometry, 447 (2001) 171

ICP-QMS

Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227

ICP-SMS

Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227

IgE

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

IL-10

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Illicit amphetamine

Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

Imaging

Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227

Imazalil

Immunoaffinity column clean-up for the determination of imazalil in citrus fruits, 433 (2001) 199

Imidacloprid

Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, 427 (2001) 211

Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection, 439 (2001) 299

Imidazoles

Towards the use of molecularly imprinted polymers containing imidazoles and bivalent metal complexes for the detection and degradation of organophosphotriester pesticides, 435 (2001) 209

Imipramine

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Immobilised enzyme

Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumrase and malate dehydrogenase with chemiluminescence detection, 428 (2001) 1

Determination of L.(-)-malic acid and L.(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7 Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257

Immobilized C60-urease

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77

Immunoaffinity chromatographic (IAC) clean-up column

Immunoaffinity column clean-up for the determination of imazalil in citrus fruits, 433 (2001) 199

Immunoaffinity chromatography

Development of an immunoaffinity-based solid-phase extraction for diazinon, 444 (2001) 37

Immunoassay

Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, 427 (2001) 211

Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37

Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223

Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, 435 (2001) 255

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Antibodies and antibody-based assays for hexavalent uranium, 444 (2001) 3

Development of a class-selective enzyme immunoassay for urinary phenolic glucuronides, 444 (2001) 27

Antigen detection using microelectrode array microchips, 444 (2001) 69

Highly sensitive dioxin immunoassay and its application to soil and biota samples, 444 (2001) 169

Novel colorimetric immunoassay for the detection of aflatoxin B_1 , 444 (2001) 187

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label, 448 (2001) 165

Quantitative immunoassay for determining polyaromatic hydrocarbons in electrical insulating oils, 450 (2001) 13

Immunobeads

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Immunochromatographic rapid assay

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001)

Immunogen

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Immunosensor

Part per trillion level determination of isoproturon in certified and estuarine water samples with a direct optical immunosensor, 426 (2001) 209

Amperometric separation-free immunosensor for real-time environmental monitoring, 427 (2001) 173

Impact breccias

Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, 436 (2001) 79

Impedence spectra

Interaction with a phospholipid monolayer on a mercury electrode.

Multivariate analysis of impedance data, 446 (2001) 121

Imprinted polymers

Selectivity of response in fluorescent polymers imprinted with N¹benzylidene pyridine-2-carboxamidrazones, 435 (2001) 129

Impurities profile

Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

TMS

Two-dimensional wavelet compression of ion mobility spectra, 446 (2001) 393

In situ

In situ high temporal resolution analysis of elemental mercury in natural waters, 447 (2001) 153

In situ analysis

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃⁻ and NO₂⁻ in natural and waste waters, 438 (2001) 39

In situ derivatization

Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, 450 (2001) 1

In situ trapping

Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, 431 (2001) 157

In vivo

In vivo monitoring of the monoamine neurotransmitters in rat brain using microdialysis sampling with liquid chromatography electrochemical detection, 427 (2001) 45

In vivo on-line monitoring

Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, 432 (2001) 95

Inborn error of metabolism

New technique for diagnosis and monitoring of alcaptonuria: quantification of homogentisic acid in urine with mid-infrared spectrometry, 429 (2001) 287

Incineration ash

Catalytic determination of cobalt by a concentration-jump chemical relaxation method, 432 (2001) 151

Indium

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Indium-porphyrins

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

Indophenol blue

pH and buffering capacity problems involved in the determination of ammonia in saline water using the indophenol blue spectrophotometric method, 434 (2001) 209

3-Indoxylphosphate

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

Inductively coupled plasma

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Inductively coupled plasma mass spectrometry

Inductively coupled plasma mass spectrometric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, 426 (2001) 105

Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, 429 (2001) 125

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, 438 (2001) 205

Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235

Micro flow system to perform programmable isotope dilution for inductively coupled plasma-mass spectrometry, 438 (2001) 267

Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods, 441 (2001) 29

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135 On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Inductively coupled plasma sector field mass spectrometry

Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, 450 (2001) 193

Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

Determination of Si and Cu in Al target metal used in a semiconductor process by inductively coupled plasma-atomic emission spectrometry, 429 (2001) 145

Determination of phosphorus in raw materials for ceramics: comparison between X-ray fluorescence spectrometry and inductively coupled plasma-atomic emission spectrometry, 432 (2001) 157

Low-temperature volatilization of Be acetylacetonate for sample introduction in ETV-ICP-AES, 439 (2001) 153

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Inductively-coupled plasma optical emission spectrometry

Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations, 445 (2001) 269

Industrial dust

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

Industrial effluents

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265

Industrial water treatment

Removal of heavy metals in industrial wastewaters by ion-exchanger grafted textiles, 428 (2001) 121

Influence measures

Detection of single influential points in OLS regression model building, 439 (2001) 169

Influential observations

Detection of single influential points in OLS regression model building, 439 (2001) 169

Infrared

Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions, 436 (2001) 31

Infrared spectroscopy

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

Inhibition constant (ki)

Acetylcholine enzyme sensor for determining methamidophos insecticide. Evaluation of some genetically modified acetylcholinesterases from *Drosophila melanogaster*, 434 (2001) 1

Inhibition effect

Chemiluminescence detection of paracetamol by a luminol-permanganate based reaction, 439 (2001) 95

Inhibitor

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Inhibitory effect

Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23

In-line concentration

An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11

Inorganic anions and cations

Determination of association constants of inorganic ions with $\rm C_{12}$ -and $\rm C_{14}$ -alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, 442 (2001) 221

Inorganic ion exchangers

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21

Insecticides

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

In-situ measurement

Construction of a low-cost automated chromatographic system for the measurement of ambient methane, 448 (2001) 187

Instant noodle

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

Integrated HPLC-ELISA

Development of a class-selective enzyme immunoassay for urinary phenolic glucuronides, 444 (2001) 27

Intensified charge-coupled device (ICCD)

Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, 429 (2001) 55

Interaction

Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, 443 (2001) 63

Intercalation

Interaction of the anticancer drug epirubicin with DNA, 437 (2001) 107

Intercomparison

Determination of iron in seawater, 442 (2001) 1

Interdigitated planar electrodes

Conductometric formaldehyde sensitive biosensor with specifically adapted analytical characteristics, 445 (2001) 47

Interfacial kinetics

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Interference

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

Effect of acid concentrations on the excitation temperature for vanadium ionic lines in inductively coupled plasma-optical emission spectrometry, 447 (2001) 171

Interference effects

Examination of interferences in flame atomic absorption spectrometry using a flow injection technique, 438 (2001) 187

Interferograms

Characterization of diffuse reflectance fiber probe sampling on moving solids using a Fourier transform near-infrared spectrometer, 431 (2001) 125

Intermetallic compounds

Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, 434 (2001) 29

Internal standardisation

The potential of double focusing-ICP-MS for studying elemental distribution patterns in whole milk, skimmed milk and milk whey of different milks, 442 (2001) 191

Intramolecular hydrogen bond

Influence of intramolecular hydrogen bond of templates on molecular recognition of molecularly imprinted polymers, 450 (2001) 53

Intrinsic parameters

Effect of fulvic acid concentration on modeling electrostatic and heterogeneity effects in proton binding reactions, 434 (2001) 105

Intrinsic reaction coordinate (IRC)

Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

In-vivo in-vitro correlation (IVIVC)

Dissolution stability and IVIVC investigation of a buccal tablet, 446 (2001) 345

Iodate

Flow injection amperometry for the determination of iodate in iodized table salt, 438 (2001) 299

Iodide

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Iodide-ion selective electrode

Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III), 450 (2001) 37

Iodine value (IV)

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

Iodine-azide

Stopped-flow kinetic determination of thiocyanates and thiosulphates with the application of iodine-azide reaction, 431 (2001) 149

Iodized salt

Flow injection amperometry for the determination of iodate in iodized table salt, 438 (2001) 299

Ion chromatography

Chromatographic and electrophoretic sepration of inorganic sulfur and sulfur-oxygen species, 432 (2001) 165

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Ion chromatographic separation of polyamines: putrescine, spermidine and spermine, 439 (2001) 107

Ion chromatography with conductimetric detection

Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, 439 (2001) 255

Ion exchange

Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343

Ion exchange resin

Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium, 437 (2001) 17

Ion mobility spectrometer

Detection of alcohols using UV-ion mobility spetrometers, 431 (2001) 293

Ion mobility spectrometry (IMS)

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, 434 (2001) 269

Atmospheric pressure ion mobility spectrometry studies of cyclic and acyclic polyethers, 436 (2001) 273

Rapid on-site determination of chlorobenzene in water samples using ion mobility spectrometry, 440 (2001) 63

Determination of soman and VX degradation products by an aspiration ion mobility spectrometry, 440 (2001) 151

Two-dimensional wavelet compression of ion mobility spectra, 446 (2001) 393

Ion optode

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Ion selective electrode (ISE)

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

New Ag⁺- and Pb²⁺-selective electrodes with lariat crown ethers as ionophores, 432 (2001) 261

Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

Sulfate-selective electrodes based on hydrotalcites, 439 (2001) 265 Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, 440 (2001) 71

Lanthanoid ion-selective solvent polymeric membrane electrode based on 1-phenyl-3-methyl-4-octadecanoyl-5-pyrazolone, 443 (2001) 41

O,O,O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, 443 (2001) 235

All-solid-state surfactant sensing electrode using conductive polymer as internal electric contact, 437 (2001) 67

Cesium selective electrodes based on novel double flexible spacers bridged biscalix[4]arenes, 447 (2001) 41

Molecular recognition of amino acid esters in liquid polymeric membrane ion-selective electrodes, 448 (2001) 19

Determination of ionized magnesium in erythrocytes using a potentiometric analyzer, 448 (2001) 251

Ion-exchange

Removal of heavy metals in industrial wastewaters by ion-exchanger grafted textiles, 428 (2001) 121

Ionic polysulfides

Determination of total ionic polysulfides by differential pulse polarography, 442 (2001) 277

Ionic recognition

Ionic imprinted resins based on EDTA and DTPA derivatives for lanthanides(III) separation, 435 (2001) 75

Ionic strength

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Ionised magnesium

Measurement of ionised magnesium in HEPES-buffered serum samples, 432 (2001) 143

Ionization

Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, 439 (2001) 1

Ion-pair

Ion-pair formation of hydroquinine by chromatography, 426 (2001) 85

Ion-pair extraction

Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,N'-bis(2-pyridylmethylidene)-1,2diiminoethane and its analogues, 441 (2001) 157

Ion-partitioning membrane

Potassium selective CHEMFET based on an ion-partitioning membrane, 445 (2001) 183

Ion-selective membrane

Assessing a photocured self-plasticised acrylic membrane recipe for Na⁺ and K⁺ ion selective electrodes, 443 (2001) 25

Ion-selective polymer membrane

Densitometric analysis for quality control in poly(vinyl chloride)membrane electrode manufacturing, 436 (2001) 139

Ion-transport

Quantification of dopant ions in polypyrrole films with electrochemical ICP-atomic emission spectrometry and comparison to electrochemical quartz crystal microbalance studies, 441 (2001) 123

TPW

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

Iridium(III) polypyridine complex

Green luminescent iridium(III) complex immobilized in fluoropolymer film as optical oxygen-sensing material, 445 (2001)

IRMS

Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195

Iron

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃⁻ and NO₂⁻ in natural and waste waters, 438 (2001) 39

Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell, 438 (2001) 49

Iron biogeochemistry

Determination of iron in seawater, 442 (2001) 1

Iron determination

Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199Determination of iron in seawater, 442 (2001) 1

Iron interference

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Iron phthalocyanine

Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, 434 (2001) 9

Iron speciation

Flow injection method for iron fractionation by reaction with oxinederivatised Fractogel, 433 (2001) 289

Determination of iron in seawater, 442 (2001) 1

Extended Gran method and its applicability for simultaneous determination of Fe(II) and Fe(III), 442 (2001) 287

Iron(III)

Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, 436 (2001) 325 Selective solid phase extraction and preconcentration of iron(III)

Selective solid phase extraction and preconcentration of iron(III) based on silica gel-chemically immobilized purpurogallin, 450 (2001) 239

Iron-tetrasulfonatophthalocyanine (FeTSPc)

New mimetic enzymatic sandwich immunoassay system by using oligo(N-isopropylacrylamide) with an active terminal group as a separating support, 435 (2001) 265

TCI

Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, 426 (2001) 3

ISFET

Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, 426 (2001) 3

ISC

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Isoflavone glycoside 6"-O-acetates

Identification of isoflavone conjugates in red clover (*Trifolium pratense*) by liquid chromatography-mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

Isoflavone glycoside 6"-O-malonates

Identification of isoflavone conjugates in red clover (*Trifolium pratense*) by liquid chromatography-mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

Isomeric distinction

Multivariate curve resolution applied to MS/MS data obtained from isomeric mixtures, 446 (2001) 495

Isoniazid

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

Flow-injection chemiluminescence sensor for the determination of isoniazid, 444 (2001) 287

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

Isoproturon

Part per trillion level determination of isoproturon in certified and estuarine water samples with a direct optical immunosensor, 426 (2001) 209

Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, 429 (2001) 337

Isotope data

Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, 426 (2001) 95

Isotope dilution

Micro flow system to perform programmable isotope dilution for inductively coupled plasma-mass spectrometry, 438 (2001) 267

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

HIPAC

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Ivermectin

Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, 431 (2001) 279

Ivory

Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223

.]

Jack-knife

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

K

K⁺

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Kattegatt

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Keley-100

Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227

Ketones

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

Kinetic data analysis

Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes, 442 (2001) 337

Kinetic methods

Determination of traces of thallium using the transient chaotic regime in the Belousov-Zhabotinskii oscillating chemical reaction, 428 (2001) 15

Kinetics

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123

Determination and prediction of the average polymerization degree of alkyl polyglucosides, 440 (2001) 231

Kinetic-spectrophotometric methods

Use of circular dichroism and artificial neural networks for the kinetic-spectrophotometric resolution of enantiomers, 431 (2001) 115

Kjeldahl method

High-temperature catalytic oxidation method for measuring total dissolved nitrogen in K₂SO₄ soil extracts, 445 (2001) 107

k_{mod}

Novel electron transfer mediators based on p-phenylenediamine for lactate oxidase, 443 (2001) 265

KOE

Measurement of parts per million levels of potassium hydroxide in polyether polyol streams, 429 (2001) 101

Kohoner

Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257

Kováts retention indices

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

L

L(+)lactate determination

Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438 (2001) 59

La(III)

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

α-Lactalbumin

Three-way data analysis applied to multispectroscopic monitoring of protein folding, 446 (2001) 187

β-Lactam antibiotic

Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, 442 (2001) 207

Lactate oxidase

Novel electron transfer mediators based on p-phenylenediamine for lactate oxidase, 443 (2001) 265

Lactic acid

Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

LaF

Re-activation of an all solid state oxygen sensor, 437 (2001) 183

LA-ICP-MS

Elemental analysis of Spanish moss using laser ablation inductively coupled plasma mass spectrometry, 435 (2001) 309

Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS, 436 (2001) 233

Lake water

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

L-Amino acids

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Lanczos decomposition

Mutlivariate calibration with Raman data using fast principal component regression and partial least squares methods, 450 (2001) 123

Landfill leachate

Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicity-based fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, 426 (2001) 253

Lanthanide

Ionic imprinted resins based on EDTA and DTPA derivatives for lanthanides(III) separation, 435 (2001) 75

Lanthanide photoluminescence

Mitigating phosphate interference in bacterial endospore detection by Tb dipicolinate photoluminescence, 426 (2001) 43

Lanthanoids(III)

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

Large bowel tumorigenesis

An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, 432 (2001) 317

L-Arginine

Simultaneous determination of L-arginine and dimethylarginines in human urine by high-performance liquid chromatography, 444 (2001) 223

Lariat crown ether

New Ag*- and Pb2*-selective electrodes with lariat crown ethers as ionophores, 432 (2001) 261

Laser

Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, 439 (2001) 1

Laser ablation

Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, 429 (2001) 269

Laser induced breakdown spectroscopy

Quantitative elemental determination in water and oil by laser induced breakdown spectroscopy, 429 (2001) 269

Laser induced fluorescence

Capillary electrophoresis with laser-induced fluorescence detection for chiral analysis and DNA binding studies of ruthenium(II) Tris-diimine complexes, 445 (2001) 21

Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry — chemometrics, 448 (2001) 61

Laser-induced degradation

Laser-induced degradation of lead pigments with reference to Botticelli's Trionfo d'Amore, 440 (2001) 185

Laser-induced fluorescence capillary electrophoresis

Single-stranded conformation polymorphism analysis of Vitamin D receptor gene by capillary electrophoresis with laser-induced fluorescence detection, 445 (2001) 197

Laser-induced fluorescence detection

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1

Laser-induced fluorimetry

Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, 434 (2001) 201

Laser-induced plasma spectroscopy

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Latin Hypercube simulation

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

LC/MS

Fast interpretation of complex LC/MS data using chemometrics, 446 (2001) 467

I C-MS

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

I C NMD

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

L-Cysteine

Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195

LDA

Feature selection by genetic algorithms for mass spectral classifiers, 446 (2001) 485

Leaching

Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, 436 (2001) 69

Lead

Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, 426 (2001) 95

Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, 431 (2001) 89

Determination of lead complexation in lake water by cathodic stripping voltammetry and ligand competition, 432 (2001) 11 Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure, 439 (2001) 139

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, 447 (2001) 11

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Lead pigments

Laser-induced degradation of lead pigments with reference to Botticelli's *Trionfo d'Amore*, 440 (2001) 185

Lead-containing aerosols

Venturi-scrubber pre-concentration technique for electrochemical detection of airborne lead traces, 429 (2001) 215

Least median of squares method

Calibration transfer in chemiluminescence analysis. Application to chromium determination by luminol-hydrogen peroxide reaction, 446 (2001) 385

Ledol

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Levodopa

Separation and determination of levodopa and carbidopa in composite tablets by capillary zone electrophoresis with amperometric detection, 431 (2001) 287

L-Glutamate decarboxylase

L-Glutamate determination in food samples by flow-injection analysis, 448 (2001) 207

LIBS

Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227

Ligand

Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, 435 (2001) 57

Light element analysis

Application of chemometric methods for classification of atmospheric particles based on thin-window electron probe microanalysis data, 446 (2001) 211

Light emitting diode

Measurement of parts per million levels of potassium hydroxide in polyether polyol streams, 429 (2001) 101

Light microscopy

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Light reflection measurement

Densitometric analysis for quality control in poly(vinyl chloride)membrane electrode manufacturing, 436 (2001) 139

Light scatter

Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, 433 (2001) 31

Liliacene

Determination of diallyl thiosulfinate (allicin) in garlic (Allium sativum L.) by high-performance liquid chromatography with a post-column photochemical reactor, 441 (2001) 37

Limited current

A novel approach for the determination of the total concentration of acids in aqueous solutions by simultaneous diffusion limited current for reduction of acids and pH measurements, 432 (2001) 27

Linear regression

Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, 446 (2001) 49

Linear sweep voltammetry

Studies on the interaction of paclitaxel with tubulin by an electrochemical method, 436 (2001) 147

Linearity

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Lipid analysis

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

Lipophilicity

Ion-pair formation of hydroquinine by chromatography, 426 (2001) 85

Liposomes

Release study of drugs from liposomic dispersions using differential pulse polarography, 449 (2001) 135

LIPS

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Liquid chromatography (LC)

Subpicogram determination of (+)-anti-benzo[a]pyrene diol-epoxide adducts in fish albumin and globin by high-performance liquid chromatography with fluorescence detection, 426 (2001) 71

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265 In vivo monitoring of the monoamine neurotransmitters in rat brain using microdialysis sampling with liquid chromatography electrochemical detection, 427 (2001) 45

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Liquid chromatography — catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), 431 (2001) 141

Development of molecularly imprinted phase for the selective retention of stilbene-type estrogenic compounds, 433 (2001) 71

Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, 433 (2001) 187

Chiral separation of ephedrines by liquid chromatography using β-cyclodextrins, 434 (2001) 315

Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile-water mixtures, 437 (2001) 309

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Determination of primary and secondary aliphatic amines by N-hydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate and reversed-phase high-performance liquid chromatography, 441 (2001) 45

Simultaneous determination of sulfamethoxypyridazine, sulfamethoxazole, sulfadimethoxine and their associated compounds by liquid chromatography, 442 (2001) 241

Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multielectrode cell-design detection, 444 (2001) 211

Recovery of phenolic compounds from Olea europaea, 445 (2001) 67

Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatography cold vapour atomic fluorescence spectrometry, 448 (2001) 135

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, 449 (2001) 111

Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, 450 (2001) 1

Liquid chromatography/mass spectrometry (LC/MS)

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Liquid chromatography/ultraviolet

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Liquid core waveguide

Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector, 442 (2001) 63

Liquid matrices

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Determination of soman and VX degradation products by an aspiration ion mobility spectrometry, 440 (2001) 151

Liquid membrane

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Liquid scintillation counting

Determination of 14C in activated metal waste, 447 (2001) 191

Liquid waveguide capillary flow cell

Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell, 438 (2001) 49

Liquid-liquid extraction

Gas chromatographic-mass spectrometric method for separation and detection of endocrine disruptors from environmental water samples, 428 (2001) 227

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Flow-injection solvent extraction with and without phase separation.

Fluorimetric determination of aluminium in water, 447 (2001)

211

Liquid-liquid interface

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Lithium ion

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Lithium ions electrode

Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, 443 (2001) 249

Lithium treatment

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001)

Loadings

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

Lobeline

Chiral separation of lobeline and benzhexol by capillary electrophoresis using the reaction mixture of β -cyclodextrin, phosphorous-pentoxide and ι -glutamic acid as chiral selector, 431 (2001) 41

Logarithm normal distribution

Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, 446 (2001) 115

Longitudinal wave

Effects of longitudinal wave on the resonance behavior of an electrode-separated piezoelectric sensor in liquids, 440 (2001)

Long-lived

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Long-term stability

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Low detection limits

Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, 440 (2001) 71

Lowry procedure

Determination of protein content using a solid phase spectrophotometric procedure, 433 (2001) 155

Low-temperature electrothermal vaporization

Low-temperature volatilization of Be acetylacetonate for sample introduction in ETV-ICP-AES, 439 (2001) 153

Lubricant

Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, 438 (2001) 83

Lucigenin

Flow-injection chemiluminometric assay of superoxide dismutase, 438 (2001) 137

Luminescence inhibition

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Luminescence lifetime

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001)

Luminescence quenching

Green luminescent iridium(III) complex immobilized in fluoropolymer film as optical oxygen-sensing material, 445 (2001) 177

Luminol

Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103

Flow-injection electrogenerated chemiluminescence determination of epinephrine using luminol, 441 (2001) 81

Intense chemiluminescence from the oxidation of luminol with *m*-chloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, 442 (2001) 71

Luminol-hydrogen peroxide reaction

Multivariate versus univariate calibration for nonlinear chemiluminescence data. Application to chromium determination by luminol-hydrogen peroxide reaction, 450 (2001) 155

Luminol-permanganate

Chemiluminescence detection of paracetamol by a luminol-permanganate based reaction, 439 (2001) 95

Lumogallion complex

Sensitive and selective determination of aluminium by peroxyoxalate chemiluminescence detection of the lumogallion complex, 443 (2001) 269

Lyophilisation

Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides, 436 (2001) 153

M

Machine learning

Genetic algorithm for fuel spill identification, 437 (2001) 233

Macrocyclic compounds

Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, 439 (2001) 291

Magnesia-zirconia

Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia-zirconia coated capillary, 428 (2001) 255

Magnesium

Determination of ionized magnesium in erythrocytes using a potentiometric analyzer, 448 (2001) 251

Mahalanobis distance

Non-invasive fibre optic Fourier transform-infrared reflectance spectroscopy on painted layers. Identification of materials by means of principal component analysis and Mahalanobis distance, 446 (2001) 15

Malachite green

Interference from arsenate when determining phosphate by the malachite green spectrophotometric method, 450 (2001) 247

Malate

Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumrase and malate dehydrogenase with chemiluminescence detection, 428 (2001) 1

Malathion

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

MALDI

The analysis of alkylphenol ethoxysulphonate surfactants by high-performance liquid chromatography, liquid chromatography—electrospray ionisation—mass spectrometry and matrix-assisted laser desorption ionisation—mass spectrometry, 445 (2001) 255

Malic acid

Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Maltodextrin

Separation of β-adrenolytics derived from 4-hydroxyacetophenone by capillary electrophoresis in the presence of cyclodextrins, 434 (2001) 75

Maltol

Determination of the flavor enhancer maltol through a FIA — direct chemiluminescence procedure, 438 (2001) 157

Mammalian cells

Suitability of enhanced green fluorescent protein as a reporter component for bioassays, 426 (2001) 175

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001) 191

Manganese

Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343

Marine air

Determination of biogenic volatile organic compounds (C_8 – C_{16}) in the coastal atmosphere at Mace Head, Ireland, 428 (2001) 61

Marine organisms analysis

Speciation of organotin compounds in shellfish by liquid chromatography — fluorimetric detection, 443 (2001) 183

Marine sediment

Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237

Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, 443 (2001) 81

Markovnikov reaction

Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Marr wavelet

Continuous wavelet transform and its application to resolving and quantifying the overlapped voltammetric peaks, 450 (2001) 185

Masking agent

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

Mass spectrometry

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265

Gas chromatography—mass spectrometry analysis of anabolic compounds in bovine hair: evaluation of hair extraction procedures, 434 (2001) 59 Study of complexing properties of the α and β metallothionein domains with cadmium and/or zinc using electrospray ionisation mass spectrometry, 435 (2001) 319

Desorption-ionization on silicon mass spectrometry: an application in forensics, 442 (2001) 183

Microwave plasma torch — atmospheric-sampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, 445 (2001) 35

The analysis of alkylphenol ethoxysulphonate surfactants by highperformance liquid chromatography, liquid chromatographyelectrospray ionisation-mass spectrometry and matrix-assisted laser desorption ionisation-mass spectrometry, 445 (2001) 255

Mathematical design

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Matrix separation

Determination of silicon in nickel-based alloys using electrothermal atomic absorption spectrometry with longitudinal Zeemaneffect background correction and zinc oxide pretreatment, 435 (2001) 357

Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water, 438 (2001) 215

Matrix-induced modification

Matrix-induced modification of imprinting effect for Cu²⁺ adsorption in hybrid silica matrices, 435 (2001) 169

Maximum common substructure

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

Maximum likelihood

Maximum likelihood estimation with nonlinear regression in polarographic and potentiometric studies, 433 (2001) 135

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Maximum likelihood estimation (MLE)

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

m-Chloroperoxybenzoic acid

Intense chemiluminescence from the oxidation of luminol with mchloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, 442 (2001) 71

Mean

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Mechanisms

Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195

Mediator

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Novel electron transfer mediators based on p-phenylenediamine for lactate oxidase, 443 (2001) 265

Medicinal plants

Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, 428 (2001) 111

Meldola's Blue

Chronoamperometric determination of p-lactate using screenprinted enzyme electrodes, 433 (2001) 81

Melitaea cinxia

Isolation of aucubin and catalpol from Melitaea cinxia larvae and quantification by micellar electrokinetic capillary chromatography, 429 (2001) 91

Membrane

Direct sequencing of peptides transferred onto polyvinylidene difluoride membrane from sodium dodecyl sulfate–polyacrylamide gel electrophoresis by electroblotting, 442 (2001) 113

Membrane cell separator

Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Membrane desolvator

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Mercaptoacetic acid

Determination of various arsenic species by flow injection hydride generation atomic absorption spectrometry: investigation of the effects of the acid concentration of different reaction media on the generation of arsines, 438 (2001) 195

6-Mercaptopurine

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Mercury

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, 434 (2001) 291

On-line determination of total mercury in the Baltic Sea, 438 (2001) 245

Sequential injection standard addition for on-line measurement of mercury in the river Elbe, 438 (2001) 251

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Mercury microelectrode

Interaction of lead(II) with sediment particles: a mercury microelectrode study, 441 (2001) 191

Meso-inosital

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67

Metal binding

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281

Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

Metal complexes

Analysis of metal complexes by capillary electrophoresis. Effect of organic additives on separation of highly hydrophobic complexes, 434 (2001) 309

Highly sensitive method for palladium(II) determination as a porphyrinato complex by capillary zone electrophoresis, 439 (2001) 101

Metal detection

In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, 445 (2001) 127

Metal extraction

Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, 442 (2001) 305

Metal ion speciation

Interaction of lead(II) with sediment particles: a mercury microelectrode study, 441 (2001) 191

Metal ions

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, 443 (2001) 91

Metal oxide semiconductor gas sensors

Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, 449 (2001) 69

Metal species

Investigation of the metal species in seawater by sorption of the metal ion on complexing resins with different sorbing properties, 449 (2001) 23

Metallochromic ligands

Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, 434 (2001) 301

Metalloporphyrin

Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, 437 (2001) 39

Highly sensitive method for palladium(II) determination as a porphyrinato complex by capillary zone electrophoresis, 439 (2001) 101

Metallothioneins

Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, 428 (2001) 285

Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection, 448 (2001) 105

Methamidophos

Acetylcholine enzyme sensor for determining methamidophos insecticide. Evaluation of some genetically modified acetylcholinesterases from *Drosophila melanogaster*, 434 (2001) 1

Methane

Determination of methane and other small hydrocarbons with a platinum-Nafion electrode by stripping voltammetry, 432 (2001) I

Construction of a low-cost automated chromatographic system for the measurement of ambient methane, 448 (2001) 187

Methanolic

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Methanol-water

Acidity in methanol-water, 439 (2001) 315

Methanol-water-carbon dioxide

Chromatography of ionizable positional isomers with methanolwater-carbon dioxide mixtures, 449 (2001) 211

4-Methene-6,7-dimethoxycoumarin-monoaza-18-crown-6

Study on cation recognition properties of 4-methene-6,7-dimethoxycoumarin-monoaza-18-crown-6, 427 (2001) 29

Methionine

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Methionine enkephalin

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Method comparison

Multiple analytical method comparison using maximum livelihood principal component analysis and linear regression with errors in both axes, 446 (2001) 147

Method validation

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Methyl isobutyl ketone

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Methyl orange

Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, 432 (2001) 229

3-Methyl thiophene

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Methylmercury

Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatographycold vapour atomic fluorescence spectrometry, 448 (2001) 135

Methylthymol blue

Sensitive and very selective determination of titanium by adsorptivecatalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, 427 (2001) 55

Metolachlor

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

Metrology

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Micellar electrokinetic capillary chromatography

Isolation of aucubin and catalpol from Melitaea cinxia larvae and quantification by micellar electrokinetic capillary chromatography, 429 (2001) 91

Micellar electrokinetic chromatography

Enantioseparation of *o*-phthaldiadehyde derivatized amino acids using β-CD-modified micellar electrokinetic chromatography in the mixed aqueous-organic media, 433 (2001) 23

Separation and determination of three water-soluble vitamins in pharmaceutical preparations and food by micellar electrokinetic chromatography with amperometric electrochemical detection, 437 (2001) 123

Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography, 443 (2001) 191

Micellar liquid chromatography

Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography, 443 (2001) 191

Micellar media

Simultaneous determination of gold and palladium with 5(pdimethylaminobenzylidene)rhodanine by using the H-point standard addition method in micellar media, 437 (2001) 273

Micellar mobile phases

Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, 433 (2001) 187

Micellar solutions

On the analytical use of the Soret-enhanced thermal lens signal in aqueous solutions, 445 (2001) 239

Micelles

Selective speciation of trace chromium through micelle-mediated preconcentration, coupled with micellar flow injection analysis– spectrofluorimetry, 436 (2001) 49

Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, 439 (2001) 81

Quantitative measurement and discrimination of isochromatic fluorophores based on micelle-enhanced steady-state fluorescence polarization in fluid solution, 441 (2001) 87

Determination of association constants of inorganic ions with C₁₂and C₁₄-alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, 442 (2001) 221

Michaelis-Menten model

Deepest regression in analytical chemistry, 446 (2001) 245

Micro flow injection

Micro flow system to perform programmable isotope dilution for inductively coupled plasma-mass spectrometry, 438 (2001) 267

Microanalysis

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Microarray

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Microbial biomass nitrogen

High-temperature catalytic oxidation method for measuring total dissolved nitrogen in K₂SO₄ soil extracts, 445 (2001) 107

Microbial sensor

Microbial sensor for trichloroethylene determination, 431 (2001) 225

Microbore liquid chromatography

Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, 431 (2001) 279

Microchip

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Microfabricated capillary electrophoresis sensor for uranium (VI), 436 (2001) 181

Microcolumn

Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water, 440 (2001) 207

Microcystin

Highly sensitive immunoassay based on a monoclonal antibody specific for [4-arginine]microcystins, 441 (2001) 1

Microdialysis

In vivo monitoring of the monoamine neurotransmitters in rat brain using microdialysis sampling with liquid chromatography electrochemical detection, 427 (2001) 45

Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, 428 (2001) 173

Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, 431 (2001) 279

Chemiluminescence flow sensor for in vivo on-line monitoring of glucose in awake rabbit by microdialysis sampling, 432 (2001) 95

Influence of geometry and equilibrium chemistry on relative recovery during enhanced microdialysis, 436 (2001) 21

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by high-performance liquid chromatography, 439 (2001) 239

Binding of metal ions with protein studied by a combined technique of microdialysis with liquid chromatography, 443 (2001) 91

Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, 448 (2001) 195

Microelectrode

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, 442 (2001) 129

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

Microelectrode array

A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95

Microfabrication

Rapid prototyping of glass and PDMS microstructures for micrototal analytical systems and micro chemical reactors by microfabrication in the general laboratory, 427 (2001) 39

Microgel

Molecular imprinting on microgel spheres, 435 (2001) 187

Micromachining

Determination of blood pO₂ using a micromachined Clark-type oxygen electrode, 431 (2001) 249

Micromolding in capillaries

Fabrication of molecularly imprinted polymer microstructures, 435 (2001) 163

Micromonoliths

Fabrication of molecularly imprinted polymer microstructures, 435 (2001) 163

Microoptode

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Micropipette fabrication

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Micro-Raman spectroscopy

The beautiful "Trionfo d'Amore" attributed to Botticelli: a chemical characterisation by proton-induced X-ray emission and micro-Raman spectroscopy, 429 (2001) 279

Microreactor

Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor, 445 (2001) 139

Microsensors

Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, 450 (2001) 27

Microsphere

Molecular imprinting on microgel spheres, 435 (2001) 187

Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, 442 (2001) 105

Microsphere-based sensor

Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, 442 (2001) 25

Microstructure

Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, 444 (2001) 241

Microtiter plate-format optodes

Determination of protamine using microtiter plate-format optodes, 439 (2001) 47

Micro-volume flow analysis

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Microwave assisted extraction

Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, 428 (2001) 111

Microwave digestion

- Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide, 436 (2001) 245
- Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203
- The potential of double focusing-ICP-MS for studying elemental distribution patterns in whole milk, skimmed milk and milk whey of different milks, 442 (2001) 191
- Plutonium determination in mineral soils and sediments by a procedure involving microwave digestion and extraction chromatography, 447 (2001) 179

Microwave induced plasma

Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion, 440 (2001) 215

Microwave plasma torch

- Microwave plasma torch atmospheric-sampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, 445 (2001) 35
- Determination of arsenic and antimony by microwave plasma atomic emission spectrometry coupled with hydride generation and a PTFE membrane separator, 450 (2001) 207

Microwave single extraction

Use of microwave single extractions for metal fractionation in sewage sludge samples, 431 (2001) 209

Microwave systems

Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, 443 (2001) 81

Microwave-assisted digestion

- Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations, 445 (2001) 269
- Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Microwave-assisted extraction

- Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237
- Microwave-assisted extraction of effective constituents from a Chinese herbal medicine Radix puerariae, 436 (2001) 41

Microwave-induced plasma

Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253

Mid-infrared spectroscopy

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

Milk

- Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37
- Evaluation of an automated and integrated flow-through immunoanalysis system for the rapid determination of cephalexin in raw milk, 442 (2001) 207

Milk proteins

Reversed-phase high-performance liquid chromatography on-line with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins, 449 (2001) 243

Millimetre wavelength spectrometry

Quantitative millimetre wavelength spectrometry. Part V: Observation of dispersive gas spectra with a millimetre wavelength confocal Fabry-Perot cavity spectrometer, 433 (2001) 269

Mineral soils

Plutonium determination in mineral soils and sediments by a procedure involving microwave digestion and extraction chromatography, 447 (2001) 179

Mineral water

Sulfate-selective electrodes based on hydrotalcites, 439 (2001) 265

Determination of chromium(III) and chromium(VI) in mineral
water by bidirectional electrostacking and electrothermal atomic
absorption spectrometry, 447 (2001) 135

Mineralised rock samples

Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, 434 (2001) 201

Miniaturization

- Rapid prototyping of glass and PDMS microstructures for micro total analytical systems and micro chemical reactors by microfabrication in the general laboratory, 427 (2001) 39
- Improvement in signal reliability when measuring L-glutamate released from cullured cells using multi channel microfaricated sensors, 441 (2001) 165

MiniMIPs

Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, 435 (2001) 91

Minimum spanning tree

New index for clustering tendency, 446 (2001) 59

MitoScanTM

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Mixed chromogenic reagents

Simultaneous spectrophotometric determination of chromium(VI) and iron(III) with chromogenic mixed reagents by H-point standard addition method and partial least squares regression, 442 (2001) 327

Mix-polynuclear complex

Adsorption voltammetry of the mix-polynuclear complex of zirconium-calcium-alizarin red S at a carbon paste electrode, 431 (2001) 81

MLPCA

Multiple analytical method comparison using maximum livelihood principal component analysis and linear regression with errors in both axes, 446 (2001) 147

MLR

The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185

Mn(III)-microperoxidase 8

Intense chemiluminescence from the oxidation of luminol with mchloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, 442 (2001) 71

λ-MnO₂

Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, 443 (2001) 249

Mobility spectra

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Model analytes

Simultaneous detection of analytes based on genetically engineered whole cell sensing systems, 444 (2001) 251

Modeling

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Modified

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Modified glassy carbon electrode

Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol, 441 (2001) 207

Modified microelectrode

Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, 441 (2001) 73

Modified silica

Separation of rare earth elements by high performance liquid chromatography using a covalent modified silica gel column, 439 (2001) 247

Modulated source

Microwave plasma torch — atmospheric-sampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, 445 (2001) 35

Moisture

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001) 1

Molecular absorption

Determination of chloride in inorganic solid samples by cold vapour molecular absorption spectrometry as Cl₂, 428 (2001) 279

Molecular descriptors

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

Molecular emission of diatomic sulphur

Study on the role of the cool body for the enhancement of sulphur diatomic molecular emission in a hydrogen flame with a multi-channel spectral analyser, 426 (2001) 127

Molecular fluorescence spectroscopy

Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001) 37

Molecular imprinting

Molecular recognition of procainamide-imprinted polymer, 432 (2001) 277

Development of molecularly imprinted phase for the selective retention of stilbene-type estrogenic compounds, 433 (2001) 71

Toward the next generation of molecular imprinting with emphasis on the formation, by direct molding, of compounds with biological activity (biomimetics), 435 (2001) 3

On the thermal and chemical stability of molecularly imprinted polymers, 435 (2001) 19

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Molecular imprinting of a small substituted phenol of biological importance, 435 (2001) 49

Investigation into the scope and limitations of molecular imprinting with DNA molecules, 435 (2001) 65

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, 435 (2001) 121

Simple NMR experiments as a means to predict the performance of an anti-17α-ethynylestradiol molecularly imprinted polymer, 435 (2001) 137

Impedometric herbicide chemosensors based on molecularly imprinted polymers, 435 (2001) 157

Fabrication of molecularly imprinted polymer microstructures, 435 (2001) 163

Molecular imprinting on microgel spheres, 435 (2001) 187

Chemical reaction engineering using molecularly imprinted polymeric catalysts, 435 (2001) 197

Influence of intramolecular hydrogen bond of templates on molecular recognition of molecularly imprinted polymers, 450 (2001) 53

Molecular "light switch"

High sensitive determination of DNA by use of molecular "light switch" complex of Ru(phen)₂(dppx)²⁺, 436 (2001) 207

Molecular modelling

Selectivity of response in fluorescent polymers imprinted with N¹benzylidene pyridine-2-carboxamidrazones, 435 (2001) 129

Molecular recognition

Molecular recognition of procainamide-imprinted polymer, 432 (2001) 277

Molecular imprinting of caffeine and its recognition assay by quartzcrystal microbalance, 435 (2001) 141

Molecular recognition of amino acid esters in liquid polymeric membrane ion-selective electrodes, 448 (2001) 19

Influence of intramolecular hydrogen bond of templates on molecular recognition of molecularly imprinted polymers, 450 (2001) 53

Molecular weight

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281

Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

Frit inlet/frit outlet flow field-flow fractionation: methodology for colored dissolved organic material in natural waters, 443 (2001) 171

Molecularly imprinted polymer

Thickness-shear mode acoustic sensor for atrazine using molecularly imprinted polymer as recognition element, 428 (2001) 143

Can we rationally design molecularly imprinted polymers?, 435 (2001) 9

Application of the Freundlich adsorption isotherm in the characterization of molecularly imprinted polymers, 435 (2001) 35

Rapid electrochromatographic enantiomer separations on short molecularly imprinted polymer monoliths, 435 (2001) 43

Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, 435 (2001) 57

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, 435 (2001) 91

Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, 435 (2001) 107

Towards the use of molecularly imprinted polymers containing imidazoles and bivalent metal complexes for the detection and degradation of organophosphotriester pesticides, 435 (2001) 209

Preparation and evaluation of molecularly imprinted polymeric microspheres by aqueous suspension polymerization for use as a high-performance liquid chromatography stationary phase, 442 (2001) 105

Molecularly imprinting

Molecular imprinting of caffeine and its recognition assay by quartzcrystal microbalance, 435 (2001) 141

Molybdenum

Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon, 426 (2001) 79

Spectrofluorimetric determination of trace amounts of molybdenum in pig liver and mussels, 439 (2001) 307

Molybdenum blue method

Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, 445 (2001) 229

Molybdenum oxide interferences

Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, 441 (2001) 291

Molybdenum(VI)

Investigation of Mo(VI) monomer-dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, 433 (2001) 299

Determination of Mo(VI)-Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, 442 (2001) 171

Monitoring

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃ and NO₂ in natural and waste waters, 438 (2001) 39

Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291

Monoamines

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by highperformance liquid chromatography, 439 (2001) 239

Monobromobimane

High performance liquid chromatography with fluorimetric detection for the determination of total homocysteine in human plasma: method and clinical applications, 429 (2001) 331

Monoclonal antibody

Development of competitive enzyme-linked immunosorbent assays (ELISAs) based on monoclonal antibodies for chloronicotinoid insecticides imidacloprid and acetamiprid, 427 (2001) 211

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31 Highly sensitive immunoassay based on a monoclonal antibody

specific for [4-arginine]microcystins, 441 (2001) 1 Monofluorinated polycyclic aromatic hydrocarbons

Monofluorinated polycyclic aromatic hydrocarbons in Shpol'skii spectroscopy, 429 (2001) 49

Monofluorophosphate

Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, 429 (2001) 111

Monomer

Can we rationally design molecularly imprinted polymers?, 435 (2001) 9

Monosaccharides

Determination of monosaccharides in cider by reversed-phase liquid chromatography, 436 (2001) 173

Monosegmented flow

Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438 (2001) 59

Monosegmented flow analysis

Monosegmented flow titrator, 438 (2001) 67

Monosegmented systems

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Monsegmented flow system

Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, 433 (2001) 111

Monte Carlo simulation

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

Morestan determination

Determination of the pesticide morestan by means of a single-use phosphorimetric sensor, 440 (2001) 131

Morin

Resonance double frequency light scattering of the morin-nucleic acid-cetyltrimethylammonium bromide system and its analytical application, 448 (2001) 85

Morphology

Investigation into the scope and limitations of molecular imprinting with DNA molecules, 435 (2001) 65

MS

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

MS/MS

Multivariate curve resolution applied to MS/MS data obtained from isomeric mixtures, 446 (2001) 495

MSFA

Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75

MSPC

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Nonlinear process monitoring using bottle-neck neural networks, 446 (2001) 371

Mud

Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, 442 (2001) 305

Multi-channel

Improvement in signal reliability when measuring L-glutamate released from cullured cells using multi channel microfaricated sensors, 441 (2001) 165

Multi-channel spectral analysis

Study on the role of the cool body for the enhancement of sulphur diatomic molecular emission in a hydrogen flame with a multichannel spectral analyser, 426 (2001) 127

Multicommutation

Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, 438 (2001) 3

An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11

Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438

Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75

Multicomponent analysis

Multicomponent analysis of some environmentally important gases using semiconductor tin oxide sensors, 431 (2001) 181

Multicomponent kinetic determination

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Multicomponent kinetic determinations

New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117

Multidetection

An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11

Multi-dimensional separations

Development of an on-line size exclusion chromatographic reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

Multielement analysis

Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion, 440 (2001) 215

Multi-elemental determinations

Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227

Multienzyme amperometric sensor

Trienzymatic biosensor for the determination of inorganic phosphate, 443 (2001) 1

Multilayer perceptron

Decompositive classification models for electronic noses, 446 (2001) 223

Multiple linear regression analysis

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83

Multi-syringe

Dual wetting-film multi-syringe flow injection analysis extraction. Application to the simultaneous determination of nitrophenols, 438 (2001) 103

Multivalent interaction

Rapid assay for avidin and biotin based on fluorescence quenching, 442 (2001) 79

Multivariate analysis

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, 428 (2001) 285

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

Multivariate calibration

Basis sets for multivariate regression, 428 (2001) 31

- Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, 428 (2001) 41
- The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185
- Critical evaluation of a significance test for partial least squares regression, 432 (2001) 235
- Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119
- Determination of physico-chemical parameters for bitumens using near infrared spectroscopy, 434 (2001) 133
- Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215
- Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295
- Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry, 443 (2001) 107
- Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods, 446 (2001) 39

New index for clustering tendency, 446 (2001) 59

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001) 97

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Mutlivariate calibration with Raman data using fast principal component regression and partial least squares methods, 450 (2001) 123

Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, 450 (2001) 143

Multivariate curve resolution

Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, 432 (2001) 241

Three-way data analysis applied to multispectroscopic monitoring of protein folding, 446 (2001) 187

Study of the interaction of a *cis*-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Multivariate curve resolution applied to MS/MS data obtained from isomeric mixtures, 446 (2001) 495

Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, 449 (2001) 143

Multivariate modelling

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Multivariate resolution

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

Muromac A-1

Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, 438 (2001) 205

Mutagenicity

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Mutation detection

Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, 431 (2001) 219

Mycelial biomass

Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, 428 (2001) 41

N

N,N'-bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE)

Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,N'-bis(2-pyridylmethylidene)-1,2diiminoethane and its analogues, 441 (2001) 157

NAA

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, 436 (2001) 79

N-acetyl-cysteine

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

NADH oxidation

Chronoamperometric determination of D-lactate using screenprinted enzyme electrodes, 433 (2001) 81

Na₄EDTA

Na₄EDTA-assisted in situ derivatization pressurized fluid extraction of polar herbicides in soil, 434 (2001) 283

Nafion

Electroanalytical determination of acid phosphatase activity by monitoring *p*-nitrophenol, 441 (2001) 207

NafionTM

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001)

Nafion-cellulose acetate composite membrane

Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection, 450 (2001) 63

Nalidixic acid

Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93

n-Alkane

Determination of biogenic volatile organic compounds (C₈-C₁₆) in the coastal atmosphere at Mace Head, Ireland, 428 (2001) 61

Nanometer-size TiO₂

Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water, 440 (2001) 207

Naphthalene

Study of nitroxide-linked naphthalene as a fluorescence probe for hydroxyl radicals, 434 (2001) 169

Natural and processed foods

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

Natural juices

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, 436 (2001) 109

Natural products

Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, 429 (2001) 151

Natural water

Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, 443 (2001) 143

Natural waters

Flow injection method for iron fractionation by reaction with oxinederivatised Fractogel, 433 (2001) 289

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatographymass spectrometry, 439 (2001) 115

Sensitive and selective determination of aluminium by peroxyoxalate chemiluminescence detection of the lumogallion complex, 443 (2001) 269

N-bromosuccinimide

Determination of humic acid in natural waters by flow injection analysis with chemiluminescence detection, 438 (2001) 143

n-Butanol

Spectrophotometric determination of vitamin C with iron(II)-4-(2pyridylazo)resorcinol complex, 427 (2001) 245

N-cetylpyridinium chloride micellar medium

Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride, 427 (2001) 93

Near infrared spectroscopy

Basis sets for multivariate regression, 428 (2001) 31

Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, 431 (2001) 303

Orthogonal signal correction in near infrared calibration, 434 (2001) 125

Near-field SERS

Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra, 446 (2001) 71

Near-infrared spectroscopy

Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods, 446 (2001) 39

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171

Nebulisers

Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection, 448 (2001) 105

Nematic liquid crystals

Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, 434 (2001) 231

Neocuproine

Determining copper ions in water using electrochemiluminescence, 449 (2001) 17

Neoglycoconjugates

Neoglycoconjugates as affinity ligands in surface plasmon resonance analysis, 449 (2001) 51

Neptunium

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Nerve

Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, 448 (2001) 221

Nerve agents

Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, 435 (2001) 121

Net analyte signal (NAS)

Soft calibration in a flow system with electrochemical detection.

Application to the determination of phenolic compounds, 446
(2001) 269

Neural network

Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, 433 (2001) 111

Neural network method

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Neural networks

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Neural tissues

Determination of platinum by radiochemical neutron activation analysis in neural tissues from rats, monkeys and patients treated with cisplatin, 426 (2001) 119

Neurotransmitter

Improvement in signal reliability when measuring L-glutamate released from cullured cells using multi channel microfaricated sensors, 441 (2001) 165

Neutral carrier

O,O,O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, 443 (2001) 235

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

Neutral salt

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Neutralisation

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Neutralization titration

Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, 438 (2001) 83

Neutron activation analysis

Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, 439 (2001) 19

NH4+

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

N-hydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate

Determination of primary and secondary aliphatic amines by *N*-hydroxysuccinimidyl 4,3,2'-naphthapyrone-4-acetate and reversed-phase high-performance liquid chromatography, 441 (2001) 45

Ni

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Nickel

Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction, 434 (2001) 325

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

Determination of nickel by a new chromogenic azocalix[4]arene, 439 (2001) 73

Nickel determination

Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, 444 (2001) 309

On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry, 445 (2001) 145

Nickel(II)-pyridylazo complex

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Nickel-based alloys

Determination of silicon in nickel-based alloys using electrothermal atomic absorption spectrometry with longitudinal Zeeman-effect background correction and zinc oxide pretreatment, 435 (2001) 357

Nicotinamide

Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, 441 (2001) 249

Nicotine

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Nicotinic acid

Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride, 427 (2001) 93

Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, 441 (2001) 249

Nifedipine

Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, 435 (2001) 91

Niobium

Separation of niobium(V) and tantalum(V) by capillary electrophoresis with chemiluminescence detection, 443 (2001) 101

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Niobium(V)

Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, 434 (2001) 301

NIR

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Calibration of somatic cell count in milk based on near-infrared spectroscopy, 450 (2001) 131

NIR spectroscopy

Determination of physico-chemical parameters for bitumens using near infrared spectroscopy, 434 (2001) 133

Nitrat

The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor, 428 (2001) 155

Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor, 439 (2001) 273

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography, 441 (2001) 53

Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, 442 (2001) 319

Nitrate determination

Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, 437 (2001) 131

Nitrate sensor

Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, 449 (2001) 81

Nitric oxide

Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, 428 (2001) 173

On-line monitoring of nitric oxide complexed with porphyrinebearing biochemical materials by using flow injection with chemiluminescence detection, 435 (2001) 273 Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection, 450 (2001) 63

Nitrification inhibition

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Nitrite

Determination of ultratraces of nitrite by solid-phase preconcentration using a novel flow-through spectrophotometric optrode, 437 (2001) 55

Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography, 441 (2001) 53

Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, 442 (2001) 319

Nitrite determination

Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, 437 (2001) 131

Nitrite nitrate

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃ and NO₂ in natural and waste waters, 438 (2001) 39

Nitrobenzene

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

Comparison of different methods for variable selection, 446 (2001) 477

Nitrogen dioxide

Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides, 431 (2001) 169

Nitroglycerin

Diffusion of nitroglycerin from drug delivery patches through micro-fibre filters using Fourier transform infrared photoacoustic spectrometry, 427 (2001) 63

4-Nitrophenol

Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

2-Nitrophenol

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

3-Nitrophenol

Simultaneous determination of nitrobenzene and nitro-substituted phenols by differential pulse voltammetry and chemometrics, 431 (2001) 101

Nitrophenols

Dual wetting-film multi-syringe flow injection analysis extraction. Application to the simultaneous determination of nitrophenols, 438 (2001) 103

Nitropolycyclic aromatic hydrocarbon

A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates, 445 (2001) 205

Nitrous acid

Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides, 431 (2001) 169

Nitroxide

Study of nitroxide-linked naphthalene as a fluorescence probe for hydroxyl radicals, 434 (2001) 169

N-methyldehydroalanine

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

NMI

Simple NMR experiments as a means to predict the performance of an anti-17α-ethynylestradiol molecularly imprinted polymer, 435 (2001) 137

NMR spectra

Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

NO

Amperometric detection of NO and NO₂ in the ppb range with solidpolymer electrolyte membrane supported noble metal electrodes, 443 (2001) 53

NO₂

Amperometric detection of NO and NO₂ in the ppb range with solidpolymer electrolyte membrane supported noble metal electrodes, 443 (2001) 53

n-Octanol/water partition coefficients

Relation of sorption behavior of agricultural chemicals in solidphase extraction with their n-octanol/water partition coefficients evaluated by high-performance liquid chromatography (HPLC), 428 (2001) 219

Nocturnal radiation inversion

Construction of a low-cost automated chromatographic system for the measurement of ambient methane, 448 (2001) 187

Nogalamycin

Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, 443 (2001) 63

Non ionic surfactants

Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237

Non-aqueous

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001)

Non-covalent interaction

Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, 437 (2001) 39

Nonionic surfactants

Potentiometric flow injection system for the determination of polyethoxylate nonionic surfactants using tubular ion-selective electrodes, 438 (2001) 305

Nonlinear least squares

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Nonlinear process monitoring

Nonlinear process monitoring using bottle-neck neural networks, 446 (2001) 371

Nonlinear regression

Maximum likelihood estimation with nonlinear regression in polarographic and potentiometric studies, 433 (2001) 135

Nontronite

Disposable clay-coated screen-printed electrode for amitrole analysis, 449 (2001) 95

Non-volatile electrolyte

High sensitivity in particle beam mass spectrometry with a nonvolatile electrolyte, 442 (2001) 97

Norepinephrine

Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, 448 (2001) 257

Norflovacin

Determination of the antibacterial norfloxacin in human urine and serum samples by solid-phase spectrofluorimetry, 444 (2001) 279

Normalisation

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Normation

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

n.PI S

The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185

N-substituted amides

Electrochemical oxidation of propanil and related N-substituted amides, 434 (2001) 35

4-(1'-n-Tridecyl)pyridine

Properties of 4-(1'-n-tridecyl)pyridine N-oxide in the extraction and polymer inclusion membrane transport of Cr(VI), 428 (2001) 89

Nuclear fast red

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Nuclear magnetic resonance spectroscopy

Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, 427 (2001) 137

Nuclear microprobe

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Nucleic acid

Interaction of cetyltrimethylammonium bromide with nucleic acids and determination of nucleic acids at nanogram levels based on the measurement of light scattering, 441 (2001) 303

Resonance double frequency light scattering of the morin–nucleic acid–cetyltrimethylammonium bromide system and its analytical application, 448 (2001) 85

Nucleic acid analysis

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Nucleoside reverse transcriptase inhibitor

Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, 435 (2001) 107

Nucleotide prodrug

Separation of individual antiviral nucleotide prodrugs from synthetic mixtures using cross-reactivity of a molecularly imprinted stationary phase, 435 (2001) 107

Nucleotides

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15



O,O,O-tris(2-ethylhexyl) phosphorothioate

O.O.O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, 443 (2001) 235

O,O-diethyl dithiophosphoric acid

Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235

Occupational health

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

Oil analysis

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

Oily soil

Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction, 428 (2001) 191

Oligomers

Investigation into the scope and limitations of molecular imprinting with DNA molecules, 435 (2001) 65

Oligo-N-isopropylacrylamide

New mimetic enzymatic sandwich immunoassay system by using oligo(N-isopropylacrylamide) with an active terminal group as a separating support, 435 (2001) 265

Oligonucleotide

Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, 433 (2001) 31

Oligopeptides

Molecular imprinting of cyclodextrin in water for the recognition of nanometer-scaled guests, 435 (2001) 25

Oligosaccharides

Neoglycoconjugates as affinity ligands in surface plasmon resonance analysis, 449 (2001) 51

Olive

Recovery of phenolic compounds from *Olea europaea*, 445 (2001) 67

Olive oil

Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, 431 (2001) 303

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Direct olive oil anisidine value determination by flow injection, 448 (2001) 201

On-line

Mid-infrared spectroscopy coupled to sequential injection analysis for the on-line monitoring of the acetone-butanol fermentation process, 438 (2001) 175

On-line column preconcentration

Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, 438 (2001) 205

On-line concentrating

Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron(III), 435 (2001) 351

On-line coupling

Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and online supercritical fluid extraction/high performance liquid chromatography technique, 433 (2001) 207

Development of an on-line size exclusion chromatographic — reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

On-line determination

On-line determination of total mercury in the Baltic Sea, 438 (2001) 245

On-line digestion

Sequential injection standard addition for on-line measurement of mercury in the river Elbe, 438 (2001) 251

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

On-line electrogenerated Ag(II)

Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant, 432 (2001)

On-line microwave flow injection analysis

Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium, 429 (2001) 207

On-line monitoring

Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, 439 (2001) 29

Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, 450 (2001) 27

On-line photo-oxidation

Flow-injection fluorimetric method for the determination of dimethylarsinic acid using on-line photo-oxidation, 447 (2001) 229

On-line preconcentration

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Flow injection system for cadmium preconcentration on poly(octadecyl diitaconate) (PDI-18) and atomic absorption spectrometry detection, 438 (2001) 259

Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001)

On-line preconcentration system

On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry, 445 (2001) 145

On-line separation and pre-concentration

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

On-line standard addition

Sequential injection standard addition for on-line measurement of mercury in the river Elbe, 438 (2001) 251

O-NTP

Selective optode for o-mononitrophenol based on fluorescence quenching of a conjugated polymer, 439 (2001) 55

OPA

Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, 449 (2001) 143

OPA

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

OPEEs

Organic phase enzyme electrodes: applications and theoretical studies, 426 (2001) 235

Open tubular capillary electrochromatography

Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia–zirconia coated capillary, 428 (2001) 255

Open tubular reactors

Dispersion in open tubular reactors of various geometries, 428 (2001) 163

Open-closed-dynamic biosensing

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

Optical acid sensor

Hysteresis in optical sensing and its impact on the analytical error of a calibration-free acid sensor, 433 (2001) 97

Optical fiber sensor

Porphyrin-metalloporphyrin composite based optical fiber sensor for the determination of berberine, 439 (2001) 65

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001)

Optical immunosensor

Fast determination of paraquat residues in water by an optical immunosensor and validation using capillary electrophoresisultraviolet detection, 427 (2001) 165

Optical oxygen sensing

Green luminescent iridium(III) complex immobilized in fluoropolymer film as optical oxygen-sensing material, 445 (2001) 177

Optical sensing

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Optical sensor

Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, 432 (2001) 89

Determination of the pesticide morestan by means of a single-use phosphorimetric sensor, 440 (2001) 131

Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, 444 (2001) 261

Optimisation

Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium, 429 (2001) 207

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt, 433 (2001) 111

Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, 433 (2001) 187

Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Optode

Selective optode for o-mononitrophenol based on fluorescence quenching of a conjugated polymer, 439 (2001) 55

Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, 442 (2001) 25

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Optosensing

Determination of ultratraces of nitrite by solid-phase preconcentration using a novel flow-through spectrophotometric optrode, 437 (2001) 55

Optosensor

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

Order statistics

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Organic additives

Analysis of metal complexes by capillary electrophoresis. Effect of organic additives on separation of highly hydrophobic complexes, 434 (2001) 309

Organic and inorganic phosphorus

Flow-injection spectrofluorimetric determination of dissolved inorganic and organic phosphorus in waters using on-line photooxidation, 442 (2001) 147

Organic guest

Host-guest interaction of calixarene molecules with neutral benzotrifluorides. Comparison of luminescence spectral data with results of model calculations relating to complex formation, 428 (2001) 301

Cavity shaped host-guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene, 443 (2001) 227

Organic modifiers

Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, 433 (2001) 187

Organic monolayer

Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, 433 (2001) 31

Organic peroxides

Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, 448 (2001) 9

Organic phase biosensors

A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95

Organic pollutants

Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicity-based fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, 426 (2001) 253

Organic pollution

Toxicity assessment of organic pollution in wastewaters using a bacterial biosensor, 426 (2001) 155

Organic solvent introduction

Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, 441 (2001) 291

Organic solvents

Organic phase enzyme electrodes: applications and theoretical studies, 426 (2001) 235

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents, 431 (2001) 231

Organochlorine compounds

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Organochlorine pesticide

Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, 428 (2001) 111

Organophosphate hydrolase

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Organophosphate insecticide

Development of an immunoaffinity-based solid-phase extraction for diazinon, 444 (2001) 37

Organophosphorous pesticides

Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and online supercritical fluid extraction/high performance liquid chromatography technique, 433 (2001) 207

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Organophosphorus acid anhydrolase

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Organophosphorus compounds

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Organophosphotriester pesticides

Towards the use of molecularly imprinted polymers containing imidazoles and bivalent metal complexes for the detection and degradation of organophosphotriester pesticides, 435 (2001) 209

Organosilanes

Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, 435 (2001) 177

Organosulphur compounds

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Orthogonal signal correction

Effect of orthogonal signal correction on the determination of compounds with very similar near infrared spectra, 431 (2001) 303

Orthogonal signal correction in near infrared calibration, 434 (2001) 125

Osmium

Rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Application to the determination of glucose in serum samples, 443 (2001) 17

Osmium complex

Disposable electrochemical capillary-fill device for glucose sensing incorporating a water-soluble enzyme/mediator layer, 442 (2001) 257

Otoliths

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

Outlier detection

Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra, 446 (2001) 71

Outliers

Detection of single influential points in OLS regression model building, 439 (2001) 169

Graphical criterion for the detection of outliers in linear regression taking into account errors in both axes, 446 (2001) 49

Output coding

Decompositive classification models for electronic noses, 446 (2001) 223

"Over full-length cavity" cylindrical sample

Influence of the movement of "over full-length cavity" cylindrical samples along the x-axis of a double TE₁₀₄ and a single TE₁₀₂ rectangular cavity on the electron paramagnetic resonance. An unusual effect analysis, 443 (2001) 127

Overlap index

Evaluation of separation quality in two-dimensional hyphenated chromatography, 450 (2001) 99

Overlapped peaks

Application of spline wavelet self-convolution in processing capillary electrophoresis overlapped peaks with noise, 437 (2001) 151

Overlapping peaks

Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods, 431 (2001) 49

Overoxidized polypyrrole

In vivo monitoring of the monoamine neurotransmitters in rat brain using microdialysis sampling with liquid chromatography electrochemical detection, 427 (2001) 45

Oxalate oxidase

Bi-enzymatic optode detection system for oxalate determination based on a natural source of enzyme, 447 (2001) 33

Oxatomide

Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, 439 (2001) 87

Oxidation

Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, 432 (2001) 49

Spectrometric identifications of sesquiterpene alcohols from niaouli (*Melaleuca quinquenervia*) essential oil, 447 (2001) 113

Oxidative DNA damage

Fiber optic biosensor for detection of DNA damage, 444 (2001) 51

Oxybenzone

Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183

Oxygen

Spectrophotometric determination of oxygen stoichiometry in YBCO superconducting bulk samples, 437 (2001) 259

Comparison of oxygen-rich and mediator-based glucose-oxidase carbon-paste electrodes, 441 (2001) 183

Oxygen electrode

Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, 432 (2001) 59

Oxygen sensing

Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, 429 (2001) 55

Oxygen sensors

Planar amperometric oxygen sensor with improved preconditioning property, 431 (2001) 261

Oxygenates

Determination of biogenic volatile organic compounds (C₈-C₁₆) in the coastal atmosphere at Mace Head, Ireland, 428 (2001) 61

Oxypurinol

Determination of allopurinol and its active metabolite oxypurinol by capillary electrophoresis with end-column amperometric detection, 442 (2001) 121

Oxytocin.

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

P

31P NMR

Determination of ionized magnesium in erythrocytes using a potentiometric analyzer, 448 (2001) 251

Paclitaxel

Studies on the interaction of paclitaxel with tubulin by an electrochemical method, 436 (2001) 147

PAD

Pulsed amperometric detection of furan compounds in transformer oil, 450 (2001) 253

PAH aerosols

Fast filter-sampling and analysis of PAH aerosols by laser multiphoton ionization, 439 (2001) 1

Palladium

Simultaneous determination of gold and palladium with 5(pdimethylaminobenzylidene)rhodanine by using the H-point standard addition method in micellar media, 437 (2001) 273

Highly sensitive method for palladium(II) determination as a porphyrinato complex by capillary zone electrophoresis, 439 (2001) 101

p-Aminobenzoic ethyl ester

Determination of monosaccharides in cider by reversed-phase liquid chromatography, 436 (2001) 173

p-Aminophenol

Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using p-aminophenol as substrate and its application in detection of plant virus, 434 (2001) 43

Pantothenic acid

Direct determination of p-panthenol and salt of pantothenic acid in cosmetic and pharmaceutical preparations by differential pulse voltammetry, 432 (2001) 39

DAR

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Paracetamol

Usefulness of the evaporative light scattering detector for direct screening of biological fluids, 435 (2001) 281

Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, 439 (2001) 87

Chemiluminescence detection of paracetamol by a luminol-permanganate based reaction, 439 (2001) 95

Rapid spectrophotometric method for the quantitation of acetaminophen in serum, 443 (2001) 165

New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117

PARAFAC

Efficient way to estimate the optimum number of factors for trilinear decomposition, 444 (2001) 295

Paraoxon

Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, 434 (2001) 239

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Discriminative detection of neurotoxins in multi-component samples, 444 (2001) 179

Paraquat residues

Fast determination of paraquat residues in water by an optical immunosensor and validation using capillary electrophoresisultraviolet detection, 427 (2001) 165

Pareto optimality

Development of a generic flow injection analysis method for compounds with a secondary amine or amide function, using an experimental design approach. I. Selection and evaluation of the FIA system parameters, 446 (2001) 413

Partial component regression

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Partial cross correlation approach

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

Partial least squares

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Simultaneous spectrophotometric determination of chromium(VI) and iron(III) with chromogenic mixed reagents by H-point standard addition method and partial least squares regression, 442 (2001) 327

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

Partial least squares (PLS) regression

Critical evaluation of a significance test for partial least squares regression, 432 (2001) 235

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117

Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

PoLiSh — smoothed partial least-squares regression, 446 (2001) 281

Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, 450 (2001) 143

Partial least-squares method

Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, 445 (2001) 245

Partial-least squares calibration

Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, 449 (2001) 179

Particle beam mass spectrometry

High sensitivity in particle beam mass spectrometry with a nonvolatile electrolyte, 442 (2001) 97

Particle sizing

Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, 434 (2001) 113

Particulate matter

Interaction of lead(II) with sediment particles: a mercury microelectrode study, 441 (2001) 191

Partition coefficient

Spectrophotometric determination of drug partition coefficients in dimyristoyl-L-α-phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions, 428 (2001) 103

Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement, 429 (2001) 65

Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, 429 (2001) 75

Partitioning around medoids

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

Pathogenic agent detection

Comparison of the Spreeta ^R surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Pathogens

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Pattern recognition

Electronic tongues for environmental monitoring based on sensor arrays and pattern recognition: a review, 426 (2001) 217

Decompositive classification models for electronic noses, 446 (2001) 223

Pattern recognition analysis

Genetic algorithm for fuel spill identification, 437 (2001) 233

Pb

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Pb competition

Interference of Pb leaching from the pH electrode on Cd-metallothionein complex, 442 (2001) 165

PCA

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Non-invasive fibre optic Fourier transform-infrared reflectance spectroscopy on painted layers. Identification of materials by means of principal component analysis and Mahalanobis distance, 446 (2001) 15

PCB

Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223

PCBs

Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediments, 433 (2001) 237

PCI

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

PCS

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

PDPA

Selective optode for o-mononitrophenol based on fluorescence quenching of a conjugated polymer, 439 (2001) 55

PDS

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Peak shifts

Modelling phase shifts, peak shifts and peak width variations in spectral data sets: its value in multivariate data analysis, 432 (2001) 113

Peak width variations

Modelling phase shifts, peak shifts and peak width variations in spectral data sets: its value in multivariate data analysis, 432 (2001) 113

Peanuts

Is biosensor a viable method for food allergen detection?, 444 (2001) 97

Peat

Digestion procedures for the determination of antimony and arsenic in small amounts of peat samples by hydride generation—atomic absorption spectrometry, 432 (2001) 303

PE-biotin

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Pectinesterase activity

Selective determination of pectinesterase activity in foodstuffs using a pervaporator coupled to an open-closed dynamic biosensing system, 434 (2001) 95

Pencil electrode

Pencil-based renewable biosensor for label-free electrochemical detection of DNA hybridization, 431 (2001) 219

Penicillamine

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Penicillinase

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Penicillium chrysogenum

Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, 428 (2001) 41

Pentosan polysulfate (PPS)

Determination of pentosan polysulfate and its binding to polycationic species using polyion-sensitive membrane electrodes, 432 (2001) 253

Pepper

L-Glutamate determination in food samples by flow-injection analysis, 448 (2001) 207

Perchloric acid solution

Investigation of Mo(VI) monomer-dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, 433 (2001) 299

Determination of Mo(VI)–Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, 442 (2001) 171

Perilla oil

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Permanently-treated graphite tubes

Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry, 431 (2001) 157

Permeation models

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Permethrin

Development of a class-specific immunoassay for the type I pyrethroid insecticides, 444 (2001) 119

Peroxidase

Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, 448 (2001) 9

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Peroxidase (horseradish, tobacco, tomato)

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Peroxyoxalate chemiluminescence

Sensitive and selective determination of aluminium by peroxyoxalate chemiluminescence detection of the lumogallion complex, 443 (2001) 269

Pervaporation

Determination of sulphide in liquid and solid samples by integrated pervaporation–potentiometric detection, 436 (2001) 301

Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Pervaporation-flow injection determination of arsenic based on hydride generation and the molybdenum blue reaction, 445 (2001) 229

Pesticide determination

Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides, 436 (2001) 153

Pesticides

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents, 431 (2001) 231

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

PETN

Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, 434 (2001) 269

PELA

Antibody production and development of a polarization fluoroimmunoassay for the herbicide triclopyr, 439 (2001) 131

P-glycoprotein

Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, 448 (2001) 195

pH

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

Measurement of ionised magnesium in HEPES-buffered serum samples, 432 (2001) 143 pH and buffering capacity problems involved in the determination of ammonia in saline water using the indophenol blue spectrophotometric method, 434 (2001) 209

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

pH buffer solution

Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, 438 (2001) 83

pH indicators

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

pH optode

Bi-enzymatic optode detection system for oxalate determination based on a natural source of enzyme, 447 (2001) 33

pH profile

Design of pH microelectrodes based on ETH^T 2418 and their application for measurement of pH profile in instant noodles, 445 (2001) 57

Pharmaceutical analysis

Orthogonal signal correction in near infrared calibration, 434 (2001) 125

Automated flow injection fluorimetric determination and dissolution studies of burnetanide in pharmaceuticals, 438 (2001) 131 Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438

Pharmaceutical formulation

(2001) 281

Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23

Voltammetric determination of lithium ions in pharmaceutical formulation using a λ-MnO₂-modified carbon-paste electrode, 443 (2001) 249

Pharmaceuticals

Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of *N*-cetylpyridinium chloride, 427 (2001) 93

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, 436 (2001) 109

Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199

Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93

Determination of some sulphonamides by sequential injection analysis with chemiluminescence detection, 438 (2001) 165

Pharmacokinetics

Effect of ivermectin on the disposition of amoxicillin in rat blood and brain using microdialysis sampling, 431 (2001) 279

Pharmacokinetics of ciprofloxacin in the rat and its interaction with cyclosporin A: a microdialysis study, 448 (2001) 195

Phase inversion method

Molecular imprinting of caffeine and its recognition assay by quartzcrystal microbalance, 435 (2001) 141

Phase separation

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Phase shifts

Modelling phase shifts, peak shifts and peak width variations in spectral data sets: its value in multivariate data analysis, 432 (2001) 113

Phase transition

Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, 434 (2001) 231

9,10-Phenanthrenequinone

Analysis of the redox reaction of 9,10-phenanthrenequinone on a gold electrode surface by cyclic voltammetry and time-resolved Fourier transform surface-enhanced Raman scattering spectroscopy, 449 (2001) 253

1,10-Phenanthroline

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

1,10-Phenanthroline-2,9-dicarboxylic acid

Antibodies and antibody-based assays for hexavalent uranium, 444 (2001) 3

Phenanthroline

Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor, 439 (2001) 273

Phenol

Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5-triaziny-lamino)quinoline, 426 (2001) 51

A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95

Analysis of phenols in pharmaceuticals by liquid chromatography after pre-column labelling and on-line post-column photochemical derivatization, 447 (2001) 89

Phenolic and chlorophenolic compounds

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Phenolic compounds

Determination of phenolic compounds using recombinant tyrosinase from *Streptomyces antibioticus*, 427 (2001) 201 Optimisation of sample preparation for the determination of transresveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, 428 (2001) 245

Development of a class-selective enzyme immunoassay for urinary phenolic glucuronides, 444 (2001) 27

Recovery of phenolic compounds from *Olea europaea*, 445 (2001) 67

Soft calibration in a flow system with electrochemical detection. Application to the determination of phenolic compounds, 446 (2001) 269

Phenolics

Approach to the content of total extractable phenolic compounds from different food samples by comparison of chromatographic and spectrophotometric methods, 427 (2001) 119

Phenothiazines

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Phenoxy acid herbicides

Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography, 443 (2001) 191

Phenylalanine

Facilitated transport and separation of aromatic amino acids through activated composite membranes, 431 (2001) 59

Phenylephrine

Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, 439 (2001) 87

1-Phenylethylamine

Use of circular dichroism and artificial neural networks for the kinetic-spectrophotometric resolution of enantiomers, 431 (2001) 115

Phenylisothiocyanate

BF₃-methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and L-configuration determination method, 429 (2001) 293

Phenyltin

Speciation of organotin compounds in shellfish by liquid chromatography — fluorimetric detection, 443 (2001) 183

Phenytoin

Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, 435 (2001) 91

Pheophytin a and b

Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, 450 (2001) 143

Pheoporphyrin c

Validation of a multivariate calibration method for the determination of chlorophyll a, b and c and their corresponding pheopigments, 450 (2001) 143

pH-FET

Enzyme-based biosensor for the direct detection of fluorine-containing organophosphates, 442 (2001) 15

Phosphate

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Interference from arsenate when determining phosphate by the malachite green spectrophotometric method, 450 (2001) 247

Phosphate detection

Trienzymatic biosensor for the determination of inorganic phosphate, 443 (2001) 1

Phosphate ISE

Durable phosphate-selective electrodes based on uranyl salophenes, 432 (2001) 79

Phosphate rock

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Phosphodiesterase 3',5'-cyclic nucleotide

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15

Phospholipid monolayer

Interaction with a phospholipid monolayer on a mercury electrode.

Multivariate analysis of impedance data, 446 (2001) 121

Phospholipids

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Phosphorescence

Monofluorinated polycyclic aromatic hydrocarbons in Shpol'skii spectroscopy, 429 (2001) 49

Phosphorimetry

Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, 439 (2001) 81

Phosphorus

Determination of phosphorus in raw materials for ceramics: comparison between X-ray fluorescence spectrometry and inductively coupled plasma-atomic emission spectrometry, 432 (2001) 157

Photoacoustic

Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217

Photocatalytic digestion

In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, 445 (2001) 127

Photocatalytic sensor

Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, 432 (2001) 59

Photochemical derivatization

Analysis of phenols in pharmaceuticals by liquid chromatography after pre-column labelling and on-line post-column photochemical derivatization, 447 (2001) 89

Photochemically induced fluorescence (PIF)

Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection, 439 (2001) 299

Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, 447 (2001) 101

Photocure

Assessing a photocured self-plasticised acrylic membrane recipe for Na⁺ and K⁺ ion selective electrodes, 443 (2001) 25

Photodecomposition

Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides, 431 (2001) 169

Photoionisation

Measurement of L subshell X-ray fluorescence cross-sections at 59.54~keV and L subshell fluorescence yields for elements in the atomic range $55 \le Z \le 81,\,441\,(2001)\,317$

Photolithography

Rapid prototyping of glass and PDMS microstructures for micro total analytical systems and micro chemical reactors by microfabrication in the general laboratory, 427 (2001) 39

Photoluminescence

Host-guest interaction of calixarene molecules with neutral benzotrifluorides. Comparison of luminescence spectral data with results of model calculations relating to complex formation, 428 (2001) 301

Cavity shaped host–guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene, 443 (2001) 227

Photolysis

Evaluation of food antioxidant activity by photostorage chemiluminescence, 433 (2001) 263

Photometric detection

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, 449 (2001) 111

Photometry

Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Dual photometric-contactless conductometric detector for capillary electrophoresis, 433 (2001) 13

Photooxidation

Alternative method for the measurement of ammonium nitrogen in wastewater, 437 (2001) 145

Flow-injection spectrofluorimetric determination of dissolved inorganic and organic phosphorus in waters using on-line photooxidation, 442 (2001) 147

Photopolymerisable membrane

Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, 426 (2001) 3

Photopolymerization

Impedometric herbicide chemosensors based on molecularly imprinted polymers, 435 (2001) 157

pH-sensitive fluorescent indicator

Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, 434 (2001) 239

Phthalocyanine

Electrooxidation of cresols on carbon electrodes modified with phthalocyaninato and octabutoxyphthalocyaninato cobalt(II) complexes, 432 (2001) 49

pH-titration

Interference of Pb leaching from the pH electrode on Cd-metallothionein complex, 442 (2001) 165

Physico-chemical parameters determination

Determination of physico-chemical parameters for bitumens using near infrared spectroscopy, 434 (2001) 133

Piezoelectric

Effects of longitudinal wave on the resonance behavior of an electrode-separated piezoelectric sensor in liquids, 440 (2001)

Piezoelectric quartz crystal (PQC)

Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor, 429 (2001) 27

Determination of heparin levels in blood with activated partial thromboplastin time by a piezoelectric quartz crystal sensor, 432 (2001) 101

Piezoelectric thickness-shear-mode sensor

Thickness-shear-mode acoustic wave sensor for acetone vapour coated with C-ethylcalix[4]resorcinarene and C-H·· π interactions as a molecular recognition mechanism, 448 (2001) 47

Piezoelectric transducer

Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217

Piezoelectric urea sensor

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77

Pigment

Roman wall paintings characterization from Cripta del Museo and Alcazaba in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

Densitometric analysis for quality control in poly(vinyl chloride)membrane electrode manufacturing, 436 (2001) 139

Pipemidic acid

Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93

Piper sp.

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

Pistachio nuts

Novel colorimetric immunoassay for the detection of aflatoxin B_1 , 444 (2001) 187

Pivaloyltrifluoroacetone

Dehydration from tris[β-diketonato]lanthanoids(III) on the 1,10phenanthroline adduct formation across lanthanoid series, 428 (2001) 149

PIXE

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

nK

Acidity in methanol-water, 439 (2001) 315

pK.

Micro-volume flow titration and screening the dissociation constants (pK_a) of weak acids, 434 (2001) 149

Plackett-Burman experimental design

Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst, 435 (2001) 385

Planar

Planar amperometric oxygen sensor with improved preconditioning property, 431 (2001) 261

Plant breeding

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171

Plant material

Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, 441 (2001) 309

Plant tissue electrodes

Asparagus-based amperometric sensor for fluoride determination, 448 (2001) 37

Plasma emission spectrometry

Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry, 443 (2001) 107

Plasticiser

Assessing a photocured self-plasticised acrylic membrane recipe for Na⁺ and K⁺ ion selective electrodes, 443 (2001) 25

Plasticizer-free

Cross-linked dodecyl acrylate microspheres: novel matrices for plasticizer-free optical ion sensing, 442 (2001) 25

Plastics

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Platinum

Determination of platinum by radiochemical neutron activation analysis in neural tissues from rats, monkeys and patients treated with cisplatin, 426 (2001) 119

Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, 441 (2001) 73

Platinum complexes

Study of the interaction of a *cis*-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Platinum group elements

Determination of platinum group elements in impact breccias using neutron activation analysis and ultrasonic nebulization inductively coupled plasma mass spectrometry after anion exchange preconcentration, 436 (2001) 79

Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS, 436 (2001) 233

Platinum plate

Determination of human serum albumin by chemiluminescence immunoassay with luminol using a platinum-immobilized flow-cell, 436 (2001) 103

Platinum/rhodium

A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates, 445 (2001) 205

Platinum-Nafion electrode

Determination of methane and other small hydrocarbons with a platinum-Nafion electrode by stripping voltammetry, 432 (2001) 1

PLS

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

The determination of moisture in tobacco by guided microwave spectroscopy and multivariate calibration, 429 (2001) 185

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

Interactions of soil components and their effects on speciation of chromium in soils, 439 (2001) 9

Soft calibration in a flow system with electrochemical detection.

Application to the determination of phenolic compounds, 446 (2001) 269

Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry — chemometrics, 448 (2001) 61

PLS discriminant analysis

Multivariate analysis of [†]H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

Plutonium

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

PMT, 2,4-D

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Pneumolysin

Sensitive detection for enzyme-linked immunosorbent assays based on the adsorptive stripping voltammetry of indigo in a flow system, 442 (2001) 55

p-Nitrophenol

Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol, 441 (2001) 207

p-Nitrosuccinanilic acid

An antigen based on molecular modeling resulted in the development of a monoclonal antibody-based immunoassay for the coccidiostat nicarbazin, 444 (2001) 61

Point-of-care

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

Point-of-care testing

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Polarographic studies

Maximum likelihood estimation with nonlinear regression in polarographic and potentiometric studies, 433 (2001) 135

Polarography

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Capability of discrimination: application to soft calibration methods, 446 (2001) 297

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

poly HEMA/polypyrrole membrane

Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrolehydrogel membrane, 448 (2001) 27

Poly(acrylphenylamidrazone phenylhydrazide) chelating fiber

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Poly(aminophosphonic acid) chelating resin

Automatic determination of ascorbic acid by flame atomic absorption spectrometry, 448 (2001) 157

Poly(octadecyl diitaconate)

Flow injection system for cadmium preconcentration on poly(octadecyl ditaconate) (PDI-18) and atomic absorption spectrometry detection, 438 (2001) 259

Polyacrylacylaminourea chelating fiber

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Polyamine oxidation

Aliphatic polyamine oxidation response variability and stability at boron-doped diamond thin-film electrodes as studied by flowinjection analysis, 440 (2001) 119

Polyamines

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, 449 (2001) 111

Polyaminocarboxylate

Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate—metal ion complexes, 448 (2001) 231

Polyaniline

Amperometric separation-free immunosensor for real-time environmental monitoring, 427 (2001) 173

Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, 431 (2001) 239

Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

Polyaniline electrode modified with 2,2'-bipyridyl

Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, 447 (2001) 11

Polychlorinated biphenyls (PCBs)

Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction, 428 (2001) 191

Optimised chromatographic method for the measurement of selected polychlorinated biphenyls in ambient air, 440 (2001) 223

Polyclonal antibody

Antibody production and development of a polarization fluoroimmunoassay for the herbicide triclopyr, 439 (2001) 131

Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, 444 (2001) 103

Polycrystalline platinum

Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode, 449 (2001) 129

Polycyclic aromatic compounds (PAC)

Automated curve resolution applied to data from multi-detection instruments, 446 (2001) 313

Polycyclic aromatic hydrocarbons (PAHs)

Capillary electrophoresis and open tubular capillary electrochromatography using a magnesia-zirconia coated capillary, 428 (2001) 255

Monofluorinated polycyclic aromatic hydrocarbons in Shpol'skii spectroscopy, 429 (2001) 49

Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry — chemometrics, 448 (2001) 61

Quantitative immunoassay for determining polyaromatic hydrocarbons in electrical insulating oils, 450 (2001) 13

Polyelectrolyte

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Polyether polyols

Measurement of parts per million levels of potassium hydroxide in polyether polyol streams, 429 (2001) 101

Polyethers

Atmospheric pressure ion mobility spectrometry studies of cyclic and acyclic polyethers, 436 (2001) 273

Polyethylene glycol

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Polyion sensing

Determination of pentosan polysulfate and its binding to polycationic species using polyion-sensitive membrane electrodes, 432 (2001) 253

Polymer

Matrix-induced modification of imprinting effect for Cu²⁺ adsorption in hybrid silica matrices, 435 (2001) 169

Polymer additives

Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion, 440 (2001) 215

Polymer coating

Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, 450 (2001) 27

Polymer film-modified electrode

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethylated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Polymer films

Optical anion sensing characteristics of indium-porphyrin and lipophilic dichlorofluorescein doped polymer films, 433 (2001) 89

Polymer membrane electrodes

Determination of pentosan polysulfate and its binding to polycationic species using polyion-sensitive membrane electrodes, 432 (2001) 253

Polymer modified bitumens

Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, 444 (2001) 241

Polymer solutions

On the analytical use of the Soret-enhanced thermal lens signal in aqueous solutions, 445 (2001) 239

Polymer stability

On the thermal and chemical stability of molecularly imprinted polymers, 435 (2001) 19

Polymerization

Determination and prediction of the average polymerization degree of alkyl polyglucosides, 440 (2001) 231

Polymers

Methodologies of quantitative headspace analysis using vapor phase sweeping, 432 (2001) 213

On the thermal and chemical stability of molecularly imprinted polymers, 435 (2001) 19

Enantioselective solid-phase extraction using Tröger's base molecularly imprinted polymers, 435 (2001) 115

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Desorption-ionization on silicon mass spectrometry: an application in forensics, 442 (2001) 183

Polymethine dye

Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride, 427 (2001) 93

Polymyxin B

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Poly-N-methylpyrrole

Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, 448 (2001) 9

Polynuclear aromatic hydrocarbons

Application of stir bar sorptive extraction in combination with column liquid chromatography for the determination of polycyclic aromatic hydrocarbons in water samples, 436 (2001) 1

Polyphenols

Capillary liquid chromatographic determination of neutral phenolic compounds in apple juices, 426 (2001) 111

Polypyrrole (PPy)

All-solid-state surfactant sensing electrode using conductive polymer as internal electric contact, 437 (2001) 67

Hydrogen peroxide biosensor with enzyme entrapped within electrodeposited polypyrrole based on mediated sol-gel derived composite carbon electrode, 443 (2001) 9

Polythionates

Determination of total ionic polysulfides by differential pulse polarography, 442 (2001) 277

Polyurethane

On-line preconcentration system for lead determination in seafood samples by flame atomic absorption spectrometry using polyurethane foam loaded with 2-(2-benzothiazolylazo)-2-p-cresol, 441 (2001) 281

Polyvinylimidazole

A new concept for the construction of an artificial dehydrogenase for fructosylamine compounds and its application for an amperometric fructosylamine sensor, 435 (2001) 151

Popofol

Molecular imprinting of a small substituted phenol of biological importance, 435 (2001) 49

Porous carbon electrode

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Porous membrane and o-dianisidine

Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine, 443 (2001) 153

Porphyrin

Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, 437 (2001) 39

Porphyrin-metalloporphyrin

Porphyrin-metalloporphyrin composite based optical fiber sensor for the determination of berberine, 439 (2001) 65

Positional isomers

Chromatography of ionizable positional isomers with methanolwater-carbon dioxide mixtures, 449 (2001) 211

Potassium

Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, 438 (2001) 3

Potassium selective CHEMFET based on an ion-partitioning membrane, 445 (2001) 183

Potassium citrate

Spectrophotometric determination of vitamin C with iron(II)-4-(2pyridylazo)resorcinol complex, 427 (2001) 245

Potassium permanganate

Analytical applications of acidic potassium permanganate as a chemiluminescence reagent, 445 (2001) 1

Potassium selectivity

Novel head for testing and measurement of chemical microsensors, 429 (2001) 347

Potential-sensitive dye

Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, 449 (2001) 81

Potentiometric

Catalyzed decomposition of nerve gases and potentiometric detection of the byproducts, 448 (2001) 221

Potentiometric detection

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Potentiometric determination

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21

Potentiometric titration

Determination of pentosan polysulfate and its binding to polycationic species using polyion-sensitive membrane electrodes, 432 (2001) 253

Extended Gran method and its applicability for simultaneous determination of Fe(II) and Fe(III), 442 (2001) 287

Potentiometric tubular electrode

L-Glutamate determination in food samples by flow-injection analysis, 448 (2001) 207

Potentiometry

Benzoate ion determination in beverages by using a potentiometric sensor immobilized in a graphite matrix, 433 (2001) 281

- Beryllium-selective membrane sensor based on 3,4-di[2-(2-tetrahydro-2*H*-pyranoxy)]ethoxy styrene–styrene copolymer, 434 (2001) 23
- Novel potentiometric membrane sensor for selective determination of aluminum(III) ions, 434 (2001) 247
- Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199
- Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171
- Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile—water mixtures, 437 (2001) 309
- Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291
- Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, 439 (2001) 29
- Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, 440 (2001) 71
- Application of potentiometry to characterize acid and basic sites in humic substances. Testing the BEST7 program with a weak-acid mixture, 445 (2001) 89
- Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate—metal ion complexes, 448 (2001) 231
- Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III), 450 (2001) 37

P-pABA modified electrode (ME)

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by highperformance liquid chromatography, 439 (2001) 239

p-Phenylenediamine

Novel electron transfer mediators based on p-phenylenediamine for lactate oxidase, 443 (2001) 265

Precipitation polymerisation

Molecular imprinting on microgel spheres, 435 (2001) 187

Preconcentration

- Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227
- Pre-concentration, separation and trace determination of lanthanu-m(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237
- Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343
- Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium, 437 (2001) 17
- Determination of ultratraces of nitrite by solid-phase preconcentration using a novel flow-through spectrophotometric optrode, 437 (2001) 55

- Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235
- UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27
- Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water, 440 (2001) 207
- On-line preconcentration system for lead determination in seafood samples by flame atomic absorption spectrometry using polyurethane foam loaded with 2-(2-benzothiazolylazo)-2-p-cresol, 441 (2001) 281

Preconditioning time

Planar amperometric oxygen sensor with improved preconditioning property, 431 (2001) 261

Prediction

Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst, 435 (2001) 385

Prediction interval estimation

Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329

Preferential solvation

Acidity in methanol-water, 439 (2001) 315

Pressurized solvent extraction

Na₄EDTA-assisted in situ derivatization pressurized fluid extraction of polar herbicides in soil, 434 (2001) 283

Pretreated platinum electrode

Flow-injection biamperometry for direct determination of hydroxylamine at two pretreated platinum electrodes, 434 (2001) 261

Pretreatment

Chemometric strategies for normalisation of gene expression data obtained from cDNA microarrays, 446 (2001) 451

Principal component analysis (PCA)

- Chemometric methods applied to the differentiation of Fouriertransform Raman spectra of ivories, 427 (2001) 223
- Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321
- Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179
- Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227
- New way of application of the bromate-bromide mixture in kinetic analysis, 445 (2001) 117
- Modeling quantitative structure-property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Application of principal component analysis to detect outliers and spectral deviations in near-field surface-enhanced Raman spectra, 446 (2001) 71

Feature selection in sequential projection pursuit, 446 (2001) 85 Application of chemometric methods in searching for illicit Leuckart amphetamine sources, 446 (2001) 107

Application of chemometric methods for classification of atmospheric particles based on thin-window electron probe microanalysis data, 446 (2001) 211

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

Principal component regression

Critical evaluation of a significance test for partial least squares regression, 432 (2001) 235

Biopartitioning micellar chromatography to predict ecotoxicity, 448 (2001) 173

Printed electrode

Flow injection analytical system for glucose with screen-printed enzyme biosensor incorporating Os-complex mediator, 426 (2001) 33

Procainamide

Molecular recognition of procainamide-imprinted polymer, 432 (2001) 277

Procaine

Molecular recognition of procainamide-imprinted polymer, 432 (2001) 277

Process analysis

Direct and continuous methodological approach to study the ageing of fossil organic material by infrared microspectrometry imaging: application to polymer modified bitumen, 444 (2001) 241

Process titration

Continuous on-line true titrations by feedback based flow ratiometry: application to potentiometric acid-base titrations, 435 (2001) 289

Process water

Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, 434 (2001) 291

Promethazine hydrochloride

Voltammetric determination of chlorpromazine hydrochloride and promethazine hydrochloride with the use of multivariate calibration, 439 (2001) 159

Propamocarb

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Propanil

Electrochemical oxidation of propanil and related N-substituted amides, 434 (2001) 35

Propoxur

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Protamine

Determination of protamine using microtiter plate-format optodes, 439 (2001) 47

Protein

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Selective flow-injection biamperometric determination of sulfurcontaining amino acids and structurally related compounds, 438 (2001) 281

Evaluation of a tertiary amine labeling protocol for peptides and proteins using Ru(bpy)₃³⁺-based chemiluminescence detection, 441 (2001) 231

Determination of proteins with α,β,γ,δ-tetrakis(4-sulfophenyl)porphine by measuring the enhanced resonance light scattering at the air/liquid interface, 443 (2001) 73

Protein assay

Study of the interaction of protein and dibromomethyl-Arsenazo-Al(III) by Rayleigh light-scattering technique, 442 (2001) 249

Resonance light-scattering spectroscopic determination of protein with pyrocatechol violet, 444 (2001) 205

Protein detection, Ru(bpy)32+

Evaluation of a tertiary amine labeling protocol for peptides and proteins using Ru(bpy)₃³⁺-based chemiluminescence detection, 441 (2001) 231

Protein determination

Determination of protein content using a solid phase spectrophotometric procedure, 433 (2001) 155

Protein folding

Three-way data analysis applied to multispectroscopic monitoring of protein folding, 446 (2001) 187

Protein G

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Protein partitioning

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Proteom

Exploring the phenotypic expression of a regulatory proteomealtering gene by spectroscopy and chemometrics, 446 (2001) 171

Proteomic chip

Antigen detection using microelectrode array microchips, 444 (2001) 69

Proton binding

Effect of fulvic acid concentration on modeling electrostatic and heterogeneity effects in proton binding reactions, 434 (2001) 105

Proton flux

Potassium selective CHEMFET based on an ion-partitioning membrane, 445 (2001) 183

Protonation constant

Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate-metal ion complexes, 448 (2001) 231

Proton-induced X-ray emission (PIXE)

The beautiful "Trionfo d'Amore" attributed to Botticelli: a chemical characterisation by proton-induced X-ray emission and micro-Raman spectroscopy, 429 (2001) 279

Prussian blue film

Prussian blue-based optical glucose biosensor in flow-injection analysis, 447 (2001) 23

Pseudomonas aeruginosa

Microbial sensor for trichloroethylene determination, 431 (2001)

Pt

Re-activation of an all solid state oxygen sensor, 437 (2001) 183
Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203

PTFE emulsion

Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, 433 (2001) 255

Pt-Nafion electrode

Amperometric detection of NO and NO₂ in the ppb range with solidpolymer electrolyte membrane supported noble metal electrodes, 443 (2001) 53

Puerarin

Microwave-assisted extraction of effective constituents from a Chinese herbal medicine Radix puerariae, 436 (2001) 41

Pulsed amperometric detection

Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, 448 (2001) 215

Pulsed laser deposition

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103

Putrescine

Ion chromatographic separation of polyamines: putrescine, spermidine and spermine, 439 (2001) 107

PVC carboxyated-selective membrane

Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199

PVC membrane

New Ag*- and Pb²⁺-selective electrodes with lariat crown ethers as ionophores, 432 (2001) 261

Beryllium-selective membrane sensor based on 3,4-di[2-(2-tetrahydro-2*H*-pyranoxy)]ethoxy styrene-styrene copolymer, 434 (2001) 23

Novel potentiometric membrane sensor for selective determination of aluminum(III) ions, 434 (2001) 247

Silver ion-selective electrodes based on novel containing benzothiazolyl calix[4]arene, 437 (2001) 191

Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base, 440 (2001) 81

Development of a mercury ion-selective optical sensor based on fluorescence quenching of 5,10,15,20-tetraphenylporphyrin, 444 (2001) 261

PVC membrane electrode

Plasticized poly(vinyl chloride) membrane electrode for the determination of quinine in soft drinks, 447 (2001) 55

Pyrazinamide

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

Pyrene

Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, 439 (2001) 81

Pyrethroid

Development of a class-specific immunoassay for the type I pyrethroid insecticides, 444 (2001) 119

Pyrethroid insecticides

Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, 447 (2001) 101

Pyrethroid metabolite

Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, 444 (2001) 103

1-(2-Pyridylazo)-2-naphthol

Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, 431 (2001) 89

4-(2-Pyridylazo)resorcinol

Spectrophotometric determination of vitamin C with iron(II)-4-(2pyridylazo)resorcinol complex, 427 (2001) 245

Pyrocatechol violet

Resonance light-scattering spectroscopic determination of protein with pyrocatechol violet, 444 (2001) 205

Pyrogallol

Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, 436 (2001) 325

Pyrolysis

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

Pyrolysis coupled with atomic absorption spectrometry for the determination of mercury in Chinese medicinal materials, 447 (2001) 161

Analytical pyrolysis of carbohydrates in the presence of hexamethyldisilazane, 449 (2001) 271

Pyrolytic graphite forked platform

Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, 428 (2001) 265

Pyrolytic graphite-coated notched Partition tube

Determination of chromium by electrothermal atomic absorption spectrometry in waters using a forked platform and co-injection of Mg as chemical modifier, 428 (2001) 265

Pyrrol

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Pvruvate oxidase

Interference-free, amperometric measurement of urea in biological samples using an electrode coated with tri-enzyme/polydimethylsiloxane-bilayer membrane, 441 (2001) 175

Q

OCM

Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, 449 (2001) 45

QSAR/QSPR

Comparison of different methods for variable selection, 446 (2001) 477

Quadrupole ion trapmass spectrometry

Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry, 436 (2001) 11

Quadrupole mass analyzer

Determination of cadmium by inductively coupled plasma mass spectrometry-reduction of molybdenum oxide interferences by addition of acetonitrile, 441 (2001) 291

Quadrupole-inductively coupled plasma mass spectrometry

Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection, 448 (2001) 105

Quality control

Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, 431 (2001) 11

Densitometric analysis for quality control in poly(vinyl chloride)membrane electrode manufacturing, 436 (2001) 139

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Quantification

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67

Quantitative EPR spectroscopy

Influence of the movement of "over full-length cavity" cylindrical samples along the x-axis of a double TE₁₀₄ and a single TE₁₀₂ rectangular cavity on the electron paramagnetic resonance. An unusual effect analysis, 443 (2001) 127

Quantitative retention-activity relationships (QRAR)

Biopartitioning micellar chromatography to predict ecotoxicity, 448 (2001) 173

Quantitative structure-activity relationships (QSAR)

Biopartitioning micellar chromatography to predict ecotoxicity, 448 (2001) 173

Quartz crystal microbalance (QCM)

Molecular imprinting of caffeine and its recognition assay by quartzcrystal microbalance, 435 (2001) 141

Rapid diagnosis of *Treponema pallidum* in serum using latex piezoelectric immunoassay, 437 (2001) 167

Comparison of the Spreeta[®] surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Quillaja saponaria Molina

Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

Quinine determination

Plasticized poly(vinyl chloride) membrane electrode for the determination of quinine in soft drinks, 447 (2001) 55

Ouinone

Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, 447 (2001) 1

Quinoxalines

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. Determination of diacetyl in wine as 2,3-dimethylquinoxaline, 449 (2001) 119

R

Radial and axial configurations

Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations, 445 (2001) 269

Radiochemical methods

Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure, 439 (2001) 139

Radioligand binding arnal

Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, 435 (2001) 57

Radionuclides

Preparation of a soil reference material for the determination of radionuclides, 445 (2001) 99

Radix puerariae

Microwave-assisted extraction of effective constituents from a Chinese herbal medicine Radix puerariae, 436 (2001) 41

Rainwater

Chemiluminescent flow sensor for H₂O₂ based on the decomposition of H₂O₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin, 426 (2001) 57

Flow-injection system with enzyme reactor for differential amperometric determination of hydrogen peroxide in rainwater, 441 (2001) 73

Raman imaging

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

Raman microscopy

Laser-induced degradation of lead pigments with reference to Botticelli's *Trionfo d'Amore*, 440 (2001) 185

Raman spectroscopy (RS)

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Mutlivariate calibration with Raman data using fast principal component regression and partial least squares methods, 450 (2001) 123

Rapid BOD

Ferricyanide mediated biochemical oxygen demand – development of a rapid biochemical oxygen demand assay, 442 (2001) 129

Rapid detection

Rapid detection of Escherichia coli in water by a culture-based amperometric method, 427 (2001) 149

Rapid LC

Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography, 441 (2001) 53

Rare earth elements

Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, 439 (2001) 19

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Rare earths

Separation of rare earth elements by high performance liquid chromatography using a covalent modified silica gel column, 439 (2001) 247

Rat brain

Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, 428 (2001) 173

Rat corpus striatum

Simultaneous detection of monoamines in rat striatal microdialysate at poly(para-aminobenzoic acid) modified electrode by highperformance liquid chromatography, 439 (2001) 239

Rat feces

An analytical method for the measurement of fecal neutral and acid sterols from rats with induced large bowel tumorigenesis, 432 (2001) 317

Rat hepatocellular GSH

Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1

Rayleigh light scattering

Determination of glycogen by Rayleigh light scattering, 431 (2001) 133

Study of the interaction of protein and dibromomethyl-Arsenazo-Al(III) by Rayleigh light-scattering technique, 442 (2001) 249

Reaction monitoring

Degree of hydrolysis from mid-infrared spectra, 446 (2001) 257

Reagent generation

Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, 444 (2001) 309

Reagent injection

Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23 Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, 429 (2001) 111

Real time

Amperometric separation-free immunosensor for real-time environmental monitoring, 427 (2001) 173

In situ high temporal resolution analysis of elemental mercury in natural waters, 447 (2001) 153

Real water samples

Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185

Recognition

Selectivity of response in fluorescent polymers imprinted with N¹benzylidene pyridine-2-carboxamidrazones, 435 (2001) 129

Recognition element

Thickness-shear mode acoustic sensor for atrazine using molecularly imprinted polymer as recognition element, 428 (2001) 143

Recognition mechanism

Study on cation recognition properties of 4-methene-6,7-dimethoxycoumarin-monoaza-18-crown-6, 427 (2001) 29

Recombinant acetylcholinesterases

Acetylcholine enzyme sensor for determining methamidophos insecticide. Evaluation of some genetically modified acetylcholinesterases from *Drosophila melanogaster*, 434 (2001) 1

Recombinant pyruvate oxidase

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Recovery

Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays, 440 (2001) 171

Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Recovery from filters

Simple dip strip ELISA for airborne estrogenic steroids, 444 (2001)

Recycling

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Red clover

Identification of isoflavone conjugates in red clover (*Trifolium pratense*) by liquid chromatography-mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

Redistribution effects

Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure, 439 (2001) 139

Redox potential

Novel electron transfer mediators based on *p*-phenylenediamine for lactate oxidase, 443 (2001) 265

Redox reaction

Analysis of the redox reaction of 9,10-phenanthrenequinone on a gold electrode surface by cyclic voltammetry and time-resolved Fourier transform surface-enhanced Raman scattering spectroscopy, 449 (2001) 253

Reducing gas

Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pump-gauge, 435 (2001) 247

Reduction

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

REE-binding protein

Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, 439 (2001) 19

Reference beads

Nitrate-selective optical sensor applying a lipophilic fluorescent potential-sensitive dye, 449 (2001) 81

Reference Materials

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Refined numerical processing

Investigation of Mo(VI) monomer-dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, 433 (2001) 299

Reflected-light scattering

Determination of proteins with α,β,γ,δ-tetrakis(4-sulfophenyl)porphine by measuring the enhanced resonance light scattering at the air/liquid interface, 443 (2001) 73

Refractive index

Rapid and simple technique for the determination of the refractive index of ultra-thin organic films on planar transparent substrates using forward light scatter, 433 (2001) 31

Regio-isomers

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

Regression

Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Regression depth

Deepest regression in analytical chemistry, 446 (2001) 245

Regression diagnostics

Detection of single influential points in OLS regression model building, 439 (2001) 169

Regression model

Basis sets for multivariate regression, 428 (2001) 31

Reichardt's dye

Optical alcohol sensor using lipophilic Reichardt's dyes in polymer membranes, 432 (2001) 269

Relative humidity

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001) 1

Relative recovery

Influence of geometry and equilibrium chemistry on relative recovery during enhanced microdialysis, 436 (2001) 21

Remote sensing

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001) 97

Renewable microcolumn

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

Renewable sensor

Reversible oligonucleotide immobilisation based on biotinylated polypyrrole film, 449 (2001) 45

Replaceable

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Reporter genes

Suitability of enhanced green fluorescent protein as a reporter component for bioassays, 426 (2001) 175

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001)

Reporting limit

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Resampling

Quantifying the effect of measurement errors on the uncertainty in bilinear model predictions: a small simulation study, 439 (2001) 193

Residual carbon content

Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations, 445 (2001) 269

Residual lime

Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Residue

Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, 447 (2001) 101

Resin

Flow injection method for iron fractionation by reaction with oxinederivatised Fractogel, 433 (2001) 289

Resistance to high humidity

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Resolution

Application of spline wavelet self-convolution in processing capillary electrophoresis overlapped peaks with noise, 437 (2001) 151

Resolution criteria

Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography, 433 (2001) 187

Resolve and quantify

Continuous wavelet transform and its application to resolving and quantifying the overlapped voltammetric peaks, 450 (2001) 185

Resolving overlapped spectra

Curve fitting using wavelet transform for resolving simulated overlapped spectra, 443 (2001) 117

Resonance double frequency light scattering (RDFLS)

Resonance double frequency light scattering of the morin-nucleic acid-cetyltrimethylammonium bromide system and its analytical application, 448 (2001) 85

Resonance light scattering

Determination of DNA by its enhancement effect of resonance light scattering by azur A, 429 (2001) 311

Resonance light-scattering spectroscopy

Resonance light-scattering spectroscopic determination of protein with pyrocatechol violet, 444 (2001) 205

Resonance Raman spectroscopy (RRS)

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Resonance Rayleigh scattering

Resonance Rayleigh scattering spectra for studying the interaction of heparin with some basic phenothiazine dyes and their analytical applications, 449 (2001) 261

Restricted access

Competitive flow immunoassay with fluorescence detection for determination of 4-nitrophenol, 426 (2001) 185

Retention factor

Chromatography of ionizable positional isomers with methanolwater-carbon dioxide mixtures, 449 (2001) 211

Retention index

Linear and non-linear modeling for the investigation of gas chromatography retention indices of alkylbenzenes on Cit.A-4, SE-30 and Carbowax 20M, 433 (2001) 145

Reversed micelles

Determination of organic peroxides in reversed micelles with a poly-N-methylpyrrole horseradish peroxidase amperometric biosensor, 448 (2001) 9

Reversed-phase high-performance liquid chromatography

Determination of trace amounts of niobium in steel by reversedphase high-performance liquid chromatography with methyl isobutyl ketone extraction and pre-column derivatization, 449 (2001) 237

Reversed-phase liquid chromatography

Sucrose effect on reversed-phase liquid chromatography solute retention, 428 (2001) 83

Direct sequencing of peptides transferred onto polyvinylidene difluoride membrane from sodium dodecyl sulfate-polyacrylamide gel electrophoresis by electroblotting, 442 (2001) 113

Development of an on-line size exclusion chromatographic — reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

Moderate volatility analyte transport behavior with membrane desolvation reversed-phase liquid chromatography-helium microwave-induced plasma atomic emission spectroscopy, 444 (2001) 229

Review

Chromatographic and electrophoretic sepration of inorganic sulfur and sulfur-oxygen species, 432 (2001) 165

Analytical applications of acidic potassium permanganate as a chemiluminescence reagent, 445 (2001) 1

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

Rhizosphere

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Rh-metallised carbon fibre microelectrodes

Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine, 439 (2001) 281

Rifampicin

Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129

Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method, 449 (2001) 167

Ring-disc

In line measurement of chemical oxygen demand by means of multipulse amperometry at a rotating Pt ring — Pt/PbO₂ disc electrode, 437 (2001) 95

Ring-electrode piezoelectric sensor

Study of bovine serum albumin adsorption onto a silicon dioxide surface using a ring-electrode piezoelectric sensor, 444 (2001) 271

Risk assessment

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

River Rhine

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001) 97

River sediment

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331

River water

Sequential injection standard addition for on-line measurement of mercury in the river Elbe, 438 (2001) 251

Road sediments

Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS, 436 (2001) 233

Rotating disk electrode (RDE)

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Robust PLS

Calibration of somatic cell count in milk based on near-infrared spectroscopy, 450 (2001) 131

Robustnes

Deepest regression in analytical chemistry, 446 (2001) 245

Roman paintings

Roman wall paintings characterization from *Cripta del Museo* and *Alcazaba* in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

Room temperature fluorescence

Determination of thiamine, riboflavin and pyridoxine in pharmaceuticals by synchronous fluorescence spectrometry in organized media, 434 (2001) 193

Room-temperature phosphorescence (RTP)

Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, 429 (2001) 55

Room temperature phosphorescence pH optosensor based on energy transfer, 431 (2001) 1

RP-HPLC

Analysis of phenols in pharmaceuticals by liquid chromatography after pre-column labelling and on-line post-column photochemical derivatization, 447 (2001) 89

Ru(phen)2(dppx)2+

High sensitive determination of DNA by use of molecular "light switch" complex of Ru(phen)₂(dppx)²⁺, 436 (2001) 207

Rubyrin

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

Rufloxacin

Europium sensitized chemiluminescense determination of rufloxacin, 445 (2001) 169

Ruggedness

Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123

Ruthenium

Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium, 429 (2001) 207

Ruthenium complexes

Capillary electrophoresis with laser-induced fluorescence detection for chiral analysis and DNA binding studies of ruthenium(II) Tris-diimine complexes, 445 (2001) 21

S

Salbutamol

Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

Salet phenomenon

Study on the role of the cool body for the enhancement of sulphur diatomic molecular emission in a hydrogen flame with a multi-channel spectral analyser, 426 (2001) 127

Salinomycin

Monoclonal-based enzyme-linked immunosorbent assay and immunochromatographic rapid assay for salinomycin, 437 (2001) 31

Salmetero

Separation and determination of β-agonists in serum by capillary zone electrophoresis with amperometric detection, 441 (2001) 23

Salmonella detection

Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, 435 (2001) 255

Salting-out effect

Determination of DNA by its enhancement effect of resonance light scattering by azur A, 429 (2001) 311

Sample handling

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Chromatographic and electrophoretic sepration of inorganic sulfur and sulfur–oxygen species, 432 (2001) 165

Sample length

Influence of the movement of "over full-length cavity" cylindrical samples along the x-axis of a double TE₁₀₄ and a single TE₁₀₂ rectangular cavity on the electron paramagnetic resonance. An unusual effect analysis, 443 (2001) 127

Sample preparation

Optimisation of sample preparation for the determination of *trans*resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, 428 (2001) 245

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Sample size

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Sandwich immunoassay

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Sandwiched assay

Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor, 429 (2001) 27

Saponins

Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

Sapphyrin

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, 428 (2001) 201

Savitsky-Golay smoothing

PoLiSh — smoothed partial least-squares regression, 446 (2001) 281

SAW

Adhesives: a new class of polymer coatings for surface acoustic wave sensors for fast and reliable process control applications, 450 (2001) 27

SBC

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Scattering

Particle sizing and optical constant measurement in granular samples using statistical descriptors of photon time-of-flight distributions, 434 (2001) 113

Schiff base-Fe3+ complex

Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III), 450 (2001) 37

Schiff's base complex

Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes, 437 (2001) 199

Scombroid

Automated kinetics-enhanced flow-injection method for histamine in regulatory laboratories: rapid screening and suitability requirements, 438 (2001) 123

Scores

Principal component analysis in liquid chromatography proton nuclear magnetic resonance: differentiation of three regio-isomers, 447 (2001) 199

Screen-printed biosensor

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Screen-printed carbon electrode

Voltammetric studies of lead at a 1-(2-pyridylazo)-2-naphthol modified screen-printed carbon electrode and its trace determination in water by stripping voltammetry, 431 (2001) 89

Electrochemical sensors using screen-printed carbon electrode assemblies modified with the β -cyclodextrin or carboxymethy-lated β -cyclodextrin polymer films for determination of tricyclic antidepressive drugs, 447 (2001) 47

Screen-printed disposable sensor

Screen-printed anodic stripping voltammetric sensor containing HgO for heavy metal analysis, 443 (2001) 241

Screen-printed electrode (SPE)

Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement, 429 (2001) 37

Chronoamperometric determination of p-lactate using screenprinted enzyme electrodes, 433 (2001) 81 Acetylcholine enzyme sensor for determining methamidophos insecticide. Evaluation of some genetically modified acetylcholinesterases from *Drosophila melanogaster*, 434 (2001) 1

Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227

Development of an immunosensor for the determination of allergy antibody (IgE) in blood samples, 442 (2001) 45

Disposable clay-coated screen-printed electrode for amitrole analysis, 449 (2001) 95

SDMA

Simultaneous determination of L-arginine and dimethylarginines in human urine by high-performance liquid chromatography, 444 (2001) 223

SDS-PAGE

Direct sequencing of peptides transferred onto polyvinylidene difluoride membrane from sodium dodecyl sulfate-polyacrylamide gel electrophoresis by electroblotting, 442 (2001) 113

Sea water

Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water, 438 (2001) 215

Seafood

On-line preconcentration system for lead determination in seafood samples by flame atomic absorption spectrometry using polyurethane foam loaded with 2-(2-benzothiazolylazo)-2-p-cresol, 441 (2001) 281

Seafood products

The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, 439 (2001) 211

Search for functional monomers

Development of a semiautomated procedure for the synthesis and evaluation of molecularly imprinted polymers applied to the search for functional monomers for phenytoin and nifedipine, 435 (2001) 91

Seawater

Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, 429 (2001) 337

Voltammetric investigations of 2-dimethylarsinyl-ethanol sulphide in NaCl and seawater, 431 (2001) 269

Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater, 435 (2001) 343

Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, 438 (2001) 205

On-line determination of total mercury in the Baltic Sea, 438 (2001)

UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27 Determination of cadmium in marine waters: on-line preconcentration and flow-through fluorescence detection, 440 (2001) 37

Determination of iron in seawater, 442 (2001) 1

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

Sea-water analysis

Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water, 429 (2001) 227

Seaweed enclosures

Determination of biogenic volatile organic compounds (C₈-C₁₆) in the coastal atmosphere at Mace Head, Ireland, 428 (2001) 61

Secondary amines

Development of a generic flow injection analysis method for compounds with a secondary amine or amide function, using an experimental design approach. I. Selection and evaluation of the FIA system parameters, 446 (2001) 413

Second-order calibration

Quantitative determinations in conventional flow injection analysis based on different chemometric calibration statregies: a review, 438 (2001) 335

Second-order data

Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, 432 (2001) 241

Sector field ICP-MS

Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures, 439 (2001) 203

Sector-field inductively coupled plasma-mass spectrometry

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Sediment

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Sediment reference material

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

Sedimentation theory

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

Selective electrode

Determination of sulphide in liquid and solid samples by integrated pervaporation–potentiometric detection, 436 (2001) 301

Selective solid phase extraction

Selective solid phase extraction and preconcentration of iron(III) based on silica gel-chemically immobilized purpurogallin, 450 (2001) 239

Selectivity coefficient

An ammonium selective fluorosensor based on the principles of coextraction, 443 (2001) 215

Selenium

Selenium determination in urine with atomic fluorescence detection, 436 (2001) 215

Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Selenium speciation

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135

Selenoamino acids

Speciation of Se(IV) and the selenoamino acids by high-performance liquid chromatography-direct hydride generation-atomic fluorescence spectrometry, 435 (2001) 367

Selenoethionine

Determination of selenoethionine by flow injection-hydride generation-atomic absorption spectrometry/high-performance liquid chromatography-hydride generation-high power nitrogen microwave-induced plasma mass spectrometry, 436 (2001) 253

Self-assembled monolayer (SAM)

Dual-stream flow injection method for amplified electrochemical detection of ferrocene derivatives, 449 (2001) 199

Self-modeling mixture analysis

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

SEM-EDX

Microstructural characterisation of five simulated archaeological copper alloys using light microscopy, scanning electron microscopy, energy dispersive X-ray microanalysis and secondary ion mass spectrometry, 440 (2001) 189

Semiempirical quantum-chemical calculations

Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity, 428 (2001) 73

Sensor

Chemiluminescent flow sensor for H₂O₂ based on the decomposition of H₂O₂ catalyzed by cobalt(II)-ethanolamine complex immobilized on resin, 426 (2001) 57

Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis, 431 (2001) 239

Electronic nose based on conducting polymers for the quality control of the olive oil aroma. Discrimination of quality, variety of olive and geographic origin, 432 (2001) 283

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes, 437 (2001) 199

Effects of longitudinal wave on the resonance behavior of an electrode-separated piezoelectric sensor in liquids, 440 (2001) 109

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Improvement in signal reliability when measuring L-glutamate released from cultured cells using multi channel microfaricated sensors, 441 (2001) 165

Sensor arrays

Electronic tongues for environmental monitoring based on sensor arrays and pattern recognition: a review, 426 (2001) 217

Sensor data

Two-dimensional wavelet compression of ion mobility spectra, 446 (2001) 393

Sensor drift

Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, 431 (2001) 11

Sensory data

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Sensory evaluation

Complementary analytical measurements based upon gas chromatography-mass spectrometry, sensor system and human sensory panel: a case study dealing with packaging materials, 431 (2001) 11

Separated-electrode

Effects of longitudinal wave on the resonance behavior of an electrode-separated piezoelectric sensor in liquids, 440 (2001) 109

Separation

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Solvent extraction and fluorometric determination of fluoride ion at ppb level in the presence of large excess of aluminum(III) and iron(III) by using an expanded porphyrin, sapphyrin, 428 (2001) 201

Determination of accuracy characteristics, modeling and optimization of capillary electrophoresis for the separation of inorganic cations, 432 (2001) 125

Interaction of porphyrin and sapphyrin macrocycles with nucleobases and nucleosides. Spectroscopic, quantum chemical and chromatographic investigation, 437 (2001) 39

Separation of rare earth elements by high performance liquid chromatography using a covalent modified silica gel column, 439 (2001) 247

Separation quality

Evaluation of separation quality in two-dimensional hyphenated chromatography, 450 (2001) 99

Separations

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

Sequential

Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, 442 (2001) 319

Sequential extraction

Use of microwave single extractions for metal fractionation in sewage sludge samples, 431 (2001) 209

Arsenic fractionation in soils using an improved sequential extraction procedure, 436 (2001) 309

Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure, 439 (2001)

Limits of sequential extraction procedures re-examined with emphasis on the role of H⁺ ion reactivity, 445 (2001) 79

Sequential filtration

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Sequential injection

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83

A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, 427 (2001) 279

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃⁻ and NO₂⁻ in natural and waste waters, 438 (2001) 39

Sequential injection analysis

Determination of some sulphonamides by sequential injection analysis with chemiluminescence detection, 438 (2001) 165

Sequential injection standard addition for on-line measurement of mercury in the river Elbe, 438 (2001) 251

Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, 449 (2001) 189

Sequential projection pursuit

Feature selection in sequential projection pursuit, 446 (2001) 85

Serotonin

Simultaneous voltammetric determination of dopamine and serotonin on carbon paste electrodes modified with iron(II) phthalocyanine complexes, 434 (2001) 9

Serpentine

Dispersion in open tubular reactors of various geometries, 428 (2001) 163

Serum

Measurement of ionised magnesium in HEPES-buffered serum samples, 432 (2001) 143

Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281

Serum analysis

Phosphate biosensor based on polyelectrolyte-stabilized pyruvate oxidase, 427 (2001) 271

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Determination of the antibacterial norfloxacin in human urine and serum samples by solid-phase spectrofluorimetry, 444 (2001) 279

Sesame oils

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Sesquiterpene aldehydes

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Sesquiterpene epoxides

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Sesquiterpenol

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Sewage sludge

Use of microwave single extractions for metal fractionation in sewage sludge samples, 431 (2001) 209

Slurry sampling for electrothermal atomic absorption spectrometric determination of chromium, nickel, lead and cadmium in sewage sludge, 437 (2001) 11

SFE-GC/MS

Evaluation of analytical methods for determining pesticides in baby foods and adult duplicate-diet samples, 444 (2001) 87

CHC

Expanded porphyrin incorporated solvent polymeric membrane electrodes: protonation and interaction with an analyte anion at organic/water interface as studied by optical second harmonic generation and Fourier transform infrared attenuated total reflectance spectrometry, 426 (2001) 19

Short-end injection

Short-end injection procedure in capillary electrophoresis for determination of enzymatic reaction kinetics, 441 (2001) 15

SIA

Sequential injection analysis of captopril based on colorimetric and potentiometric detection, 438 (2001) 31

Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75

SIA/FAAS

Determination of Fe(III) and total Fe in wines by sequential injection analysis and flame atomic absorption spectrometry, 438 (2001) 227

Signal enhancement

High sensitivity in particle beam mass spectrometry with a nonvolatile electrolyte, 442 (2001) 97

Significance test

Critical evaluation of a significance test for partial least squares regression, 432 (2001) 235

Silhouette index

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

Silica gel

Adsorption, preconcentration and separation of cations on silica gel chemically modified with the herbicide 2,4-dichlorophenoxyacetic acid, 432 (2001) 201

Silica gel-chemically immobilized purpurogallin

Selective solid phase extraction and preconcentration of iron(III) based on silica gel-chemically immobilized purpurogallin, 450 (2001) 239

Silica sol-gel/chitosan composite film

Amperometric hydrogen peroxide biosensor with silica sol-gel/ chitosan film as immobilization matrix, 437 (2001) 87

Silica species

Silicate species in high pH solution molybdate, whose silica concentration is determined by colorimetry, 429 (2001) 117

Silicor

Determination of silicon in nickel-based alloys using electrothermal atomic absorption spectrometry with longitudinal Zeemaneffect background correction and zinc oxide pretreatment, 435 (2001) 357

Silicon carbide

Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, 433 (2001) 255

Silicon chip

Antigen detection using microelectrode array microchips, 444 (2001) 69

Silicon dioxide surface adsorption

Study of bovine serum albumin adsorption onto a silicon dioxide surface using a ring-electrode piezoelectric sensor, 444 (2001) 271

Silicon technology

Potentiometric ion-selective silicon sensors for the on-line monitoring of blood electrolytes, 439 (2001) 29

Silver

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Silver ionophore

O.O.O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, 443 (2001) 235

Silver ion-selective electrode

Silver ion-selective electrodes based on novel containing benzothiazolyl calix[4]arene, 437 (2001) 191

Silver sol

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Silvlate derivative

Gas chromatographic-mass spectrometric method for separation and detection of endocrine disruptors from environmental water samples, 428 (2001) 227

Silylation

Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Simazine

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

SIMCA

Flow injection screening and semiquantitative determination of polycyclic aromatic hydrocarbons in water by laser induced spectrofluorimetry — chemometrics, 448 (2001) 61

Simplex

Interactions of soil components and their effects on speciation of chromium in soils, 439 (2001) 9

Simplex optimisation

Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatography-cold vapour atomic fluorescence spectrometry, 448 (2001) 135

SIMPLISMA

Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, 434 (2001) 269

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

Simulant

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Simulated spectroscopic data

Curve fitting using wavelet transform for resolving simulated overlapped spectra, 443 (2001) 117

Simultaneous and multiposition analysis

Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen, 429 (2001) 55

Simultaneous determination

Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, 432 (2001) 229

Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, 445 (2001) 245

Quadruple-pulsed amperometric detection for simultaneous flow injection determination of glucose and fructose, 448 (2001) 215

Simultaneous kinetic methods

Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, 448 (2001) 257

Single-chain antibody

Genetically fused single-chain anti-Salmonella antibody with aequorin: a bioluminescence immunoassay for a Salmonella antigen, 435 (2001) 255

Single-stranded conformation polymorphism

Single-stranded conformation polymorphism analysis of Vitamin D receptor gene by capillary electrophoresis with laser-induced fluorescence detection, 445 (2001) 197

Size-exclusion chromatography

Development of an on-line size exclusion chromatographic — reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

Skagerrak

Multivariate evaluation of the fluorescence of aquatic organic matter, 434 (2001) 179

Skeletons elucidation

Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, 429 (2001) 151

Slovenian wines

Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195

Sludge

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Slurry sampling

Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, 433 (2001) 255

Slurry sampling for electrothermal atomic absorption spectrometric determination of chromium, nickel, lead and cadmium in sewage sludge, 437 (2001) 11

Small molecules

Quantitative measurement and discrimination of isochromatic fluorophores based on micelle-enhanced steady-state fluorescence polarization in fluid solution, 441 (2001) 87

Small sample size

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

Small-scale centrifuge

Design optimization and characterization of a small-scale centrifugal cell separator, 435 (2001) 299

SNIF-NMR

Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines), 429 (2001) 195

Snow

Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, 450 (2001) 193

Sodium dodecylsulphate (SDS)

Flow-injection with chemiluminescence detection for the determination of iproniazid, 437 (2001) 225

Soft drinks

Plasticized poly(vinyl chloride) membrane electrode for the determination of quinine in soft drinks, 447 (2001) 55

Soft-modeling

Study of the interaction of a *cis*-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Soft-modelling

Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes, 442 (2001) 337

Soil

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

Voltammetric determination of the insecticide buprofezin in soil and water, 432 (2001) 21

Catalytic determination of cobalt by a concentration-jump chemical relaxation method, 432 (2001) 151

Determination of soil calcareous efficiency using flow system with pervaporative separation, 438 (2001) 273

Speciation analysis of arsenic in environmental solids Reference Materials by high-performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following orthophosphoric acid extraction, 441 (2001) 257

Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. Application to heavy metal study in mud and soils, 442 (2001) 305

Highly sensitive dioxin immunoassay and its application to soil and biota samples, 444 (2001) 169

Soil analysis

Arsenic fractionation in soils using an improved sequential extraction procedure, 436 (2001) 309

Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295

Soil compartments

Limits of sequential extraction procedures re-examined with emphasis on the role of H⁺ ion reactivity, 445 (2001) 79

Soil extracts

Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry, 441 (2001) 135

Soil reference material

Preparation of a soil reference material for the determination of radionuclides, 445 (2001) 99

Soil trace metals

Limits of sequential extraction procedures re-examined with emphasis on the role of H⁺ ion reactivity, 445 (2001) 79

Solonoid

High temporal resolution field monitoring of phosphate in the River Frome using flow injection with diode array detection, 440 (2001) 55

Sol-gel

Sol-gel based thermal biosensor for glucose, 427 (2001) 1

Dye leaching from a doped sol-gel is eliminated by conjugation to a dendrimer, 432 (2001) 89

Hysteresis in optical sensing and its impact on the analytical error of a calibration-free acid sensor, 433 (2001) 97

Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor, 434 (2001) 239

Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, 434 (2001) 255

Sol-gel carbon composite electrode

Amperometric detection of cytochrome c by capillary electrophoresis at a sol-gel carbon composite electrode, 450 (2001) 263

Sol-gel glass

Sol-gel glass doped with isoproturon antibody as selective support for the development of a flow-through fluoroimmunosensor, 429 (2001) 337

Sol-gel method

Chemiluminescent flow-through sensor for hydrogen peroxide based on sol-gel immobilized hemoglobin as catalyst, 445 (2001) 161

Sol-gel sorbents

Matrix-induced modification of imprinting effect for Cu²⁺ adsorption in hybrid silica matrices, 435 (2001) 169

Solid phase microextraction

Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants, 428 (2001) 111

Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and online supercritical fluid extraction/high performance liquid chromatography technique, 433 (2001) 207

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Solid phase procedure

Determination of protein content using a solid phase spectrophotometric procedure, 433 (2001) 155

Solid phase room temperature phosphorescence

Determination of the pesticide morestan by means of a single-use phosphorimetric sensor, 440 (2001) 131

Solid sample insertion

On-line dissolution of borate melt for simultaneous matrix isolation, concentration and flame atomic absorption determination of lead in phosphate rock, 448 (2001) 151

Solid samples

Determination of chloride in inorganic solid samples by cold vapour molecular absorption spectrometry as Cl₂, 428 (2001) 279

Solid state membrane sensor

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001)

Solid-phase extraction (SPE)

Toxicity assessment of organic pollution in wastewaters using a bacterial biosensor, 426 (2001) 155

Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicity-based fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, 426 (2001) 253

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, 435 (2001) 57

Molecular imprinting for the selective adsorption of organosulphur compounds present in fuels, 435 (2001) 83

Enantioselective solid-phase extraction using Tröger's base molecularly imprinted polymers, 435 (2001) 115

Determination of degradation products of nerve agents in human serum by solid phase extraction using molecularly imprinted polymer, 435 (2001) 121

Determination of ultratraces of nitrite by solid-phase preconcentration using a novel flow-through spectrophotometric optrode, 437

Determination of trace bismuth by solid phase extraction and anodic stripping voltammetry in non-aqueous media, 437 (2001) 217

Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, 442 (2001) 141

Speciation of organotin compounds in shellfish by liquid chromatography — fluorimetric detection, 443 (2001) 183

Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multielectrode cell-design detection, 444 (2001) 211

Identification of isoflavone conjugates in red clover (Trifolium pratense) by liquid chromatography-mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry, 450 (2001) 223

Solid-phase microextraction

Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry, 436 (2001)

Solid-phase reactors

Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93

Solid-phase spectrofluorimetry

Determination of the antibacterial norfloxacin in human urine and serum samples by solid-phase spectrofluorimetry, 444 (2001) 279

Solid-phase spectrophotometry

Utilization of solid phase spectrophotometry for determination of trace amounts of beryllium in natural water, 437 (2001) 265

Solid-state electrode

Potentiometric detection of amines in ion chromatography using macrocycle-based liquid membrane electrodes, 440 (2001) 89

Solid-state ion sensor

Assessing a photocured self-plasticised acrylic membrane recipe for Na* and K* ion selective electrodes, 443 (2001) 25

Solochrome violet RS

Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al^{III}-solochrome violet RS. 449 (2001) 35

Solubility

Determination of complex stabilities with nearly insoluble host molecules: cucurbit[5]uril, decamethylcucurbit[5]uril and cucurbit[6]uril as ligands for the complexation of some multicharged cations in aqueous solution, 437 (2001) 157

Solubility enhancement

Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement, 429 (2001) 65

Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, 429 (2001) 75

Soluble

Calcium-selective electrode based on polyaniline functionalized with bis[4-(1,1,3,3-tetramethylbutyl)phenyl]phosphate, 437 (2001) 171

Solute inclusion

Sucrose dependence of solute inclusion in surfactant micelles: hydrophobic effect and geometrical considerations, 447 (2001) 237

Solute-solvent interactions

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

Solvent

Chiral separation of ephedrines by liquid chromatography using β -cyclodextrins, 434 (2001) 315

Solvent extraction

Solvent extraction of uranium, neptunium, plutonium, americium, curium and californium ions by bis(1-phenyl-3-methyl-4-acylpyrazol-5-one) derivatives, 431 (2001) 69

Lanthanoid ion-selective solvent polymeric membrane electrode based on 1-phenyl-3-methyl-4-octadecanoyl-5-pyrazolone, 443 (2001) 41

Solventless sample preparation technique

Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and online supercritical fluid extraction/high performance liquid chromatography technique, 433 (2001) 207

Somatic cell count

Calibration of somatic cell count in milk based on near-infrared spectroscopy, 450 (2001) 131

SOPA

Determination of chemical properties of pyrolysis products from coals by diffuse-reflectance infrared spectroscopy and partial least squares, 436 (2001) 265

Sorbent

Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine, 435 (2001) 57

Soret effect

On the analytical use of the Soret-enhanced thermal lens signal in aqueous solutions, 445 (2001) 239

Sorption behavior

Relation of sorption behavior of agricultural chemicals in solidphase extraction with their *n*-octanol/water partition coefficients evaluated by high-performance liquid chromatography (HPLC), 428 (2001) 219

SOS response

Increased sensitivity of the SOS-LUX-Test for the detection of hydrophobic genotoxic substances with Salmonella typhimurium TA1535 as host strain, 426 (2001) 167

Application of the *Lux-Fluoro* test as bioassay for combined genotoxicity and cytotoxicity measurements by means of recombinant *Salmonella typhimurium* TA1535 cells, 437 (2001) 23

Soybeans

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography, 449 (2001) 111

SP Sephadex C-25 cation-exchange resin

Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) Spacer

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Spanish moss

Elemental analysis of Spanish moss using laser ablation inductively coupled plasma mass spectrometry, 435 (2001) 309

SPC

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Speciation

Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, 429 (2001) 125

Antimony speciation at ultra trace levels using hydride generation atomic fluorescence spectrometry and 8-hydroxyquinoline as an efficient masking agent, 432 (2001) 293

Speciation of Se(IV) and the selenoamino acids by high-performance liquid chromatography-direct hydride generation-atomic fluorescence spectrometry, 435 (2001) 367

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃⁻ and NO₂⁻ in natural and waste waters, 438 (2001) 39

Interactions of soil components and their effects on speciation of chromium in soils, 439 (2001) 9

Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae, 440 (2001) 3

Comparison of speciation and bioavailability of rare earth elements between wet rhizosphere soil and air-dried bulk soil, 441 (2001) 147

Study of thorium hydrolysis species by electrospray-ionization mass spectrometry, 441 (2001) 269

Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295

Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, 443 (2001) 143

Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, 443 (2001) 277

Limits of sequential extraction procedures re-examined with emphasis on the role of H⁺ ion reactivity, 445 (2001) 79

Study of the interaction of a cis-dichloroaminopyrrolidine Pt(II) complex and the polynucleotide poly(I)-poly(C) acid by means of ¹H-NMR and multivariate curve resolution, 446 (2001) 439

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

Determination of Cr(III) and Cr(VI) species in natural waters by catalytic cathodic stripping voltammetry, 448 (2001) 121

Comparative study of cyclic voltammetry with potentiometric analysis for determining formation constants for polyaminocarboxylate—metal ion complexes, 448 (2001) 231

Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, 448 (2001) 239

Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al^{III}-solochrome violet RS, 449 (2001) 35

Speciation analysis

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Species stability

Element speciation analysis by capillary electrophoresis: what are the hints on becoming a standard analytical emthodology?, 433 (2001) 165

Spectral interference

Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon, 426 (2001) 79

Spectral library

Chemical class information in ion mobility spectra at low and elevated temperatures, 433 (2001) 53

Spectrofluorimetry

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2061) 83

Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, 438 (2001) 117

Spectrofluorimetric determination of trace amounts of molybdenum in pig liver and mussels, 439 (2001) 307

Spectrofluorometric method

Non-ionic micellar solubilization — spectrofluorimetric determination of trace of germanium(IV) with quercetin in real samples, 447 (2001) 219

Spectrofluorometry

Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol, 439 (2001) 87

Spectrophotometric

Approach to the content of total extractable phenolic compounds from different food samples by comparison of chromatographic and spectrophotometric methods, 427 (2001) 119

Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, 436 (2001) 325

Spectrophotometric detection

Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, 449 (2001) 189

Spectrophotometric FIA

Spectrophotometric flow-injection analysis of the total base number in lubricants by using acid-base buffers, 438 (2001) 83

Spectrophotometric titration

Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study, 434 (2001) 157

Spectrophotometry

- Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of *N*-cetylpyridinium chloride, 427 (2001)
- Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid, 427 (2001) 129
- A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, 427 (2001) 279
- Reagent-injection spectrophotometric determination of citric acid in beverages and pharmaceutical formulations based on its inhibitory effect on the iron(III) catalytic oxidation of 2,4-diaminophenol by hydrogen peroxide, 428 (2001) 23
- Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, 429 (2001) 111
- Direct determination of p-panthenol and salt of pantothenic acid in cosmetic and pharmaceutical preparations by differential pulse voltammetry, 432 (2001) 39
- First derivative spectrophotometric determination of uranium(VI) and vanadium(V) in natural and saline waters and some synthetic matrices using PAR and cetylpyridinum chloride, 436 (2001) 223
- Spectrophotometric determination of oxygen stoichiometry in YBCO superconducting bulk samples, 437 (2001) 259
- Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell, 438 (2001) 49
- Multicommutation flow system for spectrophotometric L(+)lactate determination in silage material using an enzymatic reaction, 438 (2001) 59
- Spectrophotometric determination of nalidixic and pipemidic acids in a flow injection assembly with a solid-phase reactor as a highly stable reagent source, 438 (2001) 93
- Determination of nickel by a new chromogenic azocalix[4]arene, 439 (2001) 73
- Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism, 441 (2001) 309
- Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples, 442 (2001) 319
- Rapid spectrophotometric method for the quantitation of acetaminophen in serum, 443 (2001) 165
- Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257
- Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, 444 (2001) 309
- Spectrophotometric method for determination of germanium in foods with new color reagent trimethoxylphenylfluorone, 445 (2001) 153
- Determination of eight essential amino acids in mixtures by chemometrics-spectrophotometry without separation, 445 (2001) 245
- Direct olive oil anisidine value determination by flow injection, 448 (2001) 201

Spectroscopy

- Deconvolution of near-infrared spectral information for monitoring mycelial biomass and other key analytes in a submerged fungal bioprocess, 428 (2001) 41
- Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217
- Sensors for detection of calcium associated with bacterial endospore suspensions, 435 (2001) 239

Spectroscopy techniques

Detection and correction of interferences in spectroscopy techniques, 426 (2001) 135

Spectrum-structure-correlation

Three-step procedure for infrared spectrum interpretation, 427 (2001) 233

Spent PWR fuels

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

Spermidine

Ion chromatographic separation of polyamines: putrescine, spermidine and spermine, 439 (2001) 107

Spermine

Ion chromatographic separation of polyamines: putrescine, spermidine and spermine, 439 (2001) 107

Spiked samples

Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Spline wavelet self-convolution

Application of spline wavelet self-convolution in processing capillary electrophoresis overlapped peaks with noise, 437 (2001) 151

SPME

Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler, 442 (2001) 267

CDD

- Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223
- Is biosensor a viable method for food allergen detection?, 444 (2001)

Square wave voltammetry

Electrochemical oxidation of propanil and related N-substituted amides, 434 (2001) 35

Sr

Determination of Pu, Am, U, Th and Sr in marine sediment by extraction chromatography, 443 (2001) 81

Stability

Underestimation of the total arsenic concentration by hydride generation techniques as a consequence of the incomplete mineralization of arsenobetaine in acid digestion procedures, 443 (2001) 277

Dissolution stability and IVIVC investigation of a buccal tablet, 446 (2001) 345

Stability constant

New Ag*- and Pb²*-selective electrodes with lariat crown ethers as ionophores, 432 (2001) 261

Stabilizers

Polarographic determination of dithionite and its decomposition products: kinetic aspects, stabilizers, and analytical application, 436 (2001) 293

Stable constant

Study on cation recognition properties of 4-methene-6,7-dimethoxycoumarin-monoaza-18-crown-6, 427 (2001) 29

Standard deviation

Comparison of methods for the estimation of statistical parameters of censored data, 441 (2001) 215

Standard uncertainty

Orthodox uncertainty budgeting for high accuracy measurements by isotope dilution inductively coupled plasma-mass spectrometry, 437 (2001) 1

Standardisation

Monitoring ethylene content in heterophasic copolymers by nearinfrared spectroscopy. Standardisation of the calibration model, 445 (2001) 213

Stationary phase

Synthesis and properties of new cyclodextrin phenyl carbamates as capillary gas chromatography stationary phases, 445 (2001) 221

Statistical inference

Chemical knowledge discovery from mass spectral database. I. Isotope distribution and Beynon table, 446 (2001) 115

Steady-state fluorescence polarization

Quantitative measurement and discrimination of isochromatic fluorophores based on micelle-enhanced steady-state fluorescence polarization in fluid solution, 441 (2001) 87

Stilbenes

Development of molecularly imprinted phase for the selective retention of stilbene-type estrogenic compounds, 433 (2001) 71

Stir bar sorptive extraction

Application of stir bar sorptive extraction in combination with column liquid chromatography for the determination of polycyclic aromatic hydrocarbons in water samples, 436 (2001) 1

Stopped-flow

Stopped-flow kinetic determination of thiocyanates and thiosulphates with the application of iodine-azide reaction, 431 (2001) 149 Intense chemiluminescence from the oxidation of luminol with mchloroperoxybenzoic acid catalyzed by Mn(III)-microperoxidase, 442 (2001) 71

Stopped-flow mixing technique

Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, 441 (2001) 249

Stratification

The beautiful "Trionfo d'Amore" attributed to Botticelli: a chemical characterisation by proton-induced X-ray emission and micro-Raman spectroscopy, 429 (2001) 279

Streptavidin

Stacks of close to 100 phospholipid bilayers fully accessible to proteins. An ATR-FTIR-based chemometric analysis on hydrated phospholipid films, 435 (2001) 215

Streptavidin-biotin interaction

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction, 436 (2001) 109

Stripping voltammetry

Determination of methane and other small hydrocarbons with a platinum-Nafion electrode by stripping voltammetry, 432 (2001) 1

Insights into the anodic stripping voltammetric behavior of bismuth film electrodes, 434 (2001) 29

Long-lived sensors with replaceable surface for stripping voltammetric analysis: Part I, 436 (2001) 129

Processes during anodic stripping voltammetry determination of lead in the presence of copper on a solid electrode modified with 2,2'-bipyridyl in polyaniline, 447 (2001) 11

Strong cation exchange resin

Modelling the separation of amines by high performance liquid chromatography. I. Linear diamines NH₂(CH₂)_nNH₂ (n = 2-10), 436 (2001) 333

Strontium

Single-stage method for the simultaneous isolation of lead and strontium from silicate samples for isotopic measurements, 426 (2001) 95

Structural descriptors

Binding of pyrene on lake aquatic humic matter: the role of structural descriptors, 429 (2001) 75

Structural effects

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

Structure

Multivariate analysis of ¹H NMR spectra for saponins from *Quillaja* saponaria Molina, 446 (2001) 199

Structure representation using quantum topology (StruQT)

Modeling quantitative structure–property relationships in calculated reaction pathways using a new 3D quantum topological representation, 446 (2001) 3

Subcellular distribution

Distribution of some rare earth elements and their binding species with proteins in human liver studied by instrumental neutron activation analysis combined with biochemical techniques, 439 (2001) 19

Substituted catechols

Determination of phenolic compounds using recombinant tyrosinase from Streptomyces antibioticus, 427 (2001) 201

Substructure recognition

Feature selection by genetic algorithms for mass spectral classifiers, 446 (2001) 485

Successive projections algorithm

Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry, 443 (2001) 107

Successive reaction

Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, 448 (2001) 257

Sucrose

Sucrose effect on reversed-phase liquid chromatography solute retention, 428 (2001) 83

Sucrose dependence

Sucrose dependence of solute inclusion in surfactant micelles: hydrophobic effect and geometrical considerations, 447 (2001) 237

Sulfate determination

Sulfate-selective electrodes based on hydrotalcites, 439 (2001) 265

Sulfated bile acid

Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257

Sulfide

Determination of total ionic polysulfides by differential pulse polarography, 442 (2001) 277

Investigation on the chemiluminescence reaction of luminol- H_2O_2 - S^2 -/R-SH system, 448 (2001) 79

Sulfite

Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant, 432 (2001) 311

Fluorimetric determination of sulfite by the co-quenching effect of formaldehyde and sulfite on the fluorescence of tetra-substituted amino aluminum phthalocyanine, 448 (2001) 71

Sulfonamides

Simultaneous determination of sulfamethoxypyridazine, sulfamethoxazole, sulfadimethoxine and their associated compounds by liquid chromatography, 442 (2001) 241

Sulfosalicylic acid

Study on the electrochemical behavior of dopamine with poly(sulfosalicylic acid) modified glassy carbon electrode, 441 (2001) 117

Sulfotep

Determination and identification of pesticides from liquid matrices using ion mobility spectrometry, 429 (2001) 257

Sulfur

Chromatographic and electrophoretic sepration of inorganic sulfur and sulfur-oxygen species, 432 (2001) 165

Sulfur speciation

Chromatographic and electrophoretic sepration of inorganic sulfur and sulfur-oxygen species, 432 (2001) 165

Sulphide

Determination of sulphide in liquid and solid samples by integrated pervaporation-potentiometric detection, 436 (2001) 301

Sulphite

Factorial analysis of a chemiluminescence system for bromate detection in water, 450 (2001) 175

Sulphonamides

Determination of some sulphonamides by sequential injection analysis with chemiluminescence detection, 438 (2001) 165

Sulphur dioxide

A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, 427 (2001) 279

Fourier transform infrared spectrometric determination of thiourea in the presence of sulphur dioxide in aqueous solution, 437 (2001) 139

Spectrophotometric determination of sulphur dioxide and hydrogen sulphide in gas phase by sequential injection analysis technique, 449 (2001) 189

Sulphuric acid

Properties of 4-(1'-n-tridecyl)pyridine N-oxide in the extraction and polymer inclusion membrane transport of Cr(VI), 428 (2001) 89

Overcoming interference from hydrolysable cations during the determination of sulphuric acid by titration, 440 (2001) 45

Sunscreen

Simultaneous determination of oxybenzone and 2-ethylhexyl 4methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry, 428 (2001) 183

Supercritical fluid extraction

Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction, 428 (2001) 191

Solventless sample preparation procedure for organophosphorus pesticides analysis using solid phase microextraction and online supercritical fluid extraction/high performance liquid chromatography technique, 433 (2001) 207

Supercritical fluid extraction with in situ chiral derivatization for the enantiospecific determination of ibuprofen in urine samples, 450 (2001) 1

Superoxide anion

Flow-injection chemiluminometric assay of superoxide dismutase, 438 (2001) 137

Superoxide dismutase

Flow-injection chemiluminometric assay of superoxide dismutase, 438 (2001) 137

Supported liquid membrane

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Supported liquid membrane extraction of aromatic aminophosphonates, 433 (2001) 227

Surface analysis

Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition, 435 (2001) 227

Surface enhanced Raman spectroscopy (SERS)

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Surface enhanced resonance Raman spectroscopy (SERRS)

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Surface plasmon resonance (SPR)

Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, 434 (2001) 231

Is biosensor a viable method for food allergen detection?, 444 (2001)

Comparison of the Spreeta surface plasmon resonance sensor and a quartz crystal microbalance for detection of *Escherichia coli* heat-labile enterotoxin, 444 (2001) 149

Screening method for antagonists that inhibit the binding of calmodulin to a target peptide using surface plasmon resonance, 447 (2001) 63

Neoglycoconjugates as affinity ligands in surface plasmon resonance analysis, 449 (2001) 51

Surface water

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Surface-enhanced Raman scattering

Analysis of the redox reaction of 9,10-phenanthrenequinone on a gold electrode surface by cyclic voltammetry and time-resolved Fourier transform surface-enhanced Raman scattering spectroscopy, 449 (2001) 253

Surface-imprinted silica particles

Surface-imprinted silica particles: the effects of added organosilanes on catalytic activity, 435 (2001) 177

Surfactant

All-solid-state surfactant sensing electrode using conductive polymer as internal electric contact, 437 (2001) 67

Surfactant micelles

Sucrose dependence of solute inclusion in surfactant micelles: hydrophobic effect and geometrical considerations, 447 (2001) 237

Surfactant-rich phase

Determination of cadmium, copper, lead and zinc in water samples by flame atomic absorption spectrometry after cloud point extraction, 450 (2001) 215

Surfactants

Identification of cytotoxic compounds in European wastewaters during a field experiment, 426 (2001) 265

Wastewater toxicity screening of non-ionic surfactants by Toxalert ^R and Microtox ^R bioluminescence inhibition assays, 427 (2001) 181

Voltammetric behavior of α -tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile + water mixed solvent systems, 441 (2001) 201

The analysis of alkylphenol ethoxysulphonate surfactants by highperformance liquid chromatography, liquid chromatographyelectrospray ionisation-mass spectrometry and matrix-assisted laser desorption ionisation-mass spectrometry, 445 (2001) 255

Synchronous fluorescence

Determination of thiamine, riboflavin and pyridoxine in pharmaceuticals by synchronous fluorescence spectrometry in organized media, 434 (2001) 193

Syphilis

Rapid diagnosis of Treponema pallidum in serum using latex piezoelectric immunoassay, 437 (2001) 167

T

Table salt

Determination of bromide in fumigated and natural samples by conversion into bromophenols followed by gas chromatography-mass spectrometry, 439 (2001) 115

Tablet formulation

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67

Tailed ionophore

Micrometer-sized lithium ion-selective microoptodes based on a "tailed" neutral ionophore and a fluorescent anionic dye, 426 (2001) 11

Tandem flow

Exploitation of tandem streams for carry-over compensation in flow analysis. I. Turbidimetric determination of potassium in fertilizers, 438 (2001) 3

Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine, 443 (2001) 153

Tandem source

Microwave plasma torch — atmospheric-sampling glow discharge modulated tandem source for the sequential acquisition of molecular fragmentation and atomic mass spectra, 445 (2001) 35

Tantalum(V)

Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, 434 (2001) 301

Separation of niobium(V) and tantalum(V) by capillary electrophoresis with chemiluminescence detection, 443 (2001) 101

μTAS

Rapid prototyping of glass and PDMS microstructures for micro total analytical systems and micro chemical reactors by microfabrication in the general laboratory, 427 (2001) 39

Taste sensor

Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor, 449 (2001) 59

TRP

Separation of fission products from spent pressurized water reactor fuels by anion exchange and extraction chromatography for inductively coupled plasma atomic emission spectrometric analysis, 428 (2001) 133

TCDD

Simple and rapid detection method using surface plasmon resonance for dioxins, polychlorinated biphenylx and atrazine, 434 (2001) 223

Too

Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor, 449 (2001) 59

Tecnazene

On-line preconcentration for the ion chromatographic determination of chlorophenolic and phenolic compounds in environmental samples using electrochemical detection, 437 (2001) 115

Tecoflex polyurethane matrix

Potentiometric and spectroscopic characterization of anion selective electrodes based on metal(III) porphyrin ionophores in polyurethane membranes, 432 (2001) 67

TEF

Highly sensitive dioxin immunoassay and its application to soil and biota samples, 444 (2001) 169

Tellurium

Determination of tellurium in urine by hydride generation atomic absorption spectrometry with derivative signal processing, 448 (2001) 145

Temperature effect

Contribution to the study of solute-stationary phase retention interactions in terms of activity coefficients obtained by gas-liquid chromatography, 441 (2001) 63

Temperature programming

Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, 445 (2001) 29

Template

Can we rationally design molecularly imprinted polymers?, 435

TEOS

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Terbium

Mitigating phosphate interference in bacterial endospore detection by Tb dipicolinate photoluminescence, 426 (2001) 43

Terbium(III)

Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, 441 (2001) 249

Terbutaline sulphate

Application of diffuse reflectance infrared Fourier transform spectroscopy combined with artificial neural networks in analysing enantiomeric purity of terbutaline sulphate bulk drug, 449 (2001) 157

Terbutylazine

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Ternary complexes

Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis, 434 (2001) 301

Terpenoid identification

Computer-aided method for identification of components in essential oils by ¹³C NMR spectroscopy, 447 (2001) 125

Terpenoids

Automatic identification of terpenoid skeletons through ¹³C nuclear magnetic resonance data disfunctionalization, 429 (2001) 151

Test strips

Fluidics and sample handling in clinical chemical analysis, 429 (2001) 1

Tetracyclines

Flow-injection chemiluminescence determination of tetracyclines with in situ electrogenerated bromine as the oxidant, 440 (2001) 143

$\alpha, \beta, \gamma, \delta$ -Tetrakis(4-sulfophenyl)porphine

Determination of proteins with $\alpha, \beta, \gamma, \delta$ -tetrakis(4-sulfophenyl)porphine by measuring the enhanced resonance light scattering at the air/liquid interface, 443 (2001) 73

Tetra-substituted amino aluminum phthalocyanine

Study of tetra-substituted amino aluminum phthalocyanine as a new red-region substrate for the fluorometric determination of peroxidase and hydrogen peroxide, 434 (2001) 51

Fluorimetric determination of sulfite by the co-quenching effect of formaldehyde and sulfite on the fluorescence of tetra-substituted amino aluminum phthalocyanine, 448 (2001) 71

Textile wastewaters

Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicity-based fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, 426 (2001) 253

Th(IV)

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

Thallium

Determination of traces of thallium using the transient chaotic regime in the Belousov–Zhabotinskii oscillating chemical reaction, 428 (2001) 15

Theophylline

Molecular imprinting on microgel spheres, 435 (2001) 187

Thermal desorption

Rapid multivariate curve resolution applied to identification of explosives by ion mobility spectrometry, 434 (2001) 269

Thermal lens spectrometry

On the analytical use of the Soret-enhanced thermal lens signal in aqueous solutions, 445 (2001) 239

Thermal phase separation

New mimetic enzymatic sandwich immunoassay system by using oligo(N-isopropylacrylamide) with an active terminal group as a separating support, 435 (2001) 265

Thermal treatment

Re-activation of an all solid state oxygen sensor, 437 (2001) 183

Thermometriy

Sol-gel based thermal biosensor for glucose, 427 (2001) 1

Thermoplasts

Analysis of recycled thermoplasts from consumer electronics by laser-induced plasma spectroscopy, 440 (2001) 17

Thiabendazole

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83

Thick film

Use of poly(2-acrylamido-2-methylpropane sulfonate) modified with tetraethyl orthosilicate as sensing material for measurement of humidity, 449 (2001) 103

Thick-film biosensor

Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology, 442 (2001) 35

Thin film

Copper, cadmium and thallium thin film sensors based on chalcogenide glasses, 433 (2001) 103

Thin-layer chromatography

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Thin-window EPMA

Application of chemometric methods for classification of atmospheric particles based on thin-window electron probe microanalysis data, 446 (2001) 211

Thiocvanate

Extraction behaviour of metal ions in aqueous polyethylene glycolsodium sulphate two-phase systems in the presence of iodide and thiocyanate ions, 427 (2001) 293

Stopped-flow kinetic determination of thiocyanates and thiosulphates with the application of iodine-azide reaction, 431 (2001) 149

Thiol

Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols, 447 (2001) 1

Thiol cotton fiber

Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, 428 (2001) 209

Thiol-containing compounds (R-SH)

Investigation on the chemiluminescence reaction of luminol– H_2O_2 – S^2 –/R–SH system, 448 (2001) 79

2-Thionaphthol

Extraction-flow injection spectrofluorimetric measurement of dissolved oxygen in environmental waters using 2-thionaphthol, 438 (2001) 117

Thionine

Hydrogen peroxide biosensor based on sol-gel-derived glasses doped with Eastman AQ polymer, 434 (2001) 255

Thiophosphate ester

O,O,O-trialkyl phosphorothioates as simple and effective ionophores for silver ion-selective membrane electrodes, 443 (2001) 235

Thiosulphate

Stopped-flow kinetic determination of thiocyanates and thiosulphates with the application of iodine-azide reaction, 431 (2001) 149

Thiourea determination

Fourier transform infrared spectrometric determination of thiourea in the presence of sulphur dioxide in aqueous solution, 437 (2001) 139

Thorium

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Study of thorium hydrolysis species by electrospray-ionization mass spectrometry, 441 (2001) 269

Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, 442 (2001) 141

Three-variable Doehlert designs

Non-ionic micellar solubilization — spectrofluorimetric determination of trace of germanium(IV) with quercetin in real samples, 447 (2001) 219

Three-way analysis

Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, 432 (2001)

Three-way data analysis

Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods, 431 (2001) 49

Three-way data analysis applied to multispectroscopic monitoring of protein folding, 446 (2001) 187

Threshold sensing

Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, 434 (2001) 231

Thyroid-stimulating hormone

Development of highly sensitive bioluminescent enzyme immunoassay with ultra-wide measurable range for thyroid-stimulating hormone using firefly luciferase, 429 (2001) 19

Time of flight mass spectrometry

Source apportionment of gasoline and diesel by multivariate calibration based on single particle mass spectral data, 446 (2001) 329

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

Time-resolved FT-Raman

Analysis of the redox reaction of 9,10-phenanthrenequinone on a gold electrode surface by cyclic voltammetry and time-resolved Fourier transform surface-enhanced Raman scattering spectroscopy, 449 (2001) 253

Time-resolved luminescence

Selective determination of nicotinic acid and nicotinamide using terbium(III) sensitised luminescence, 441 (2001) 249

Tin

Extraction and recovery of Au, Sb and Sn from electrorefined solid waste, 436 (2001) 69

Tin oxide sensors

Multicomponent analysis of some environmentally important gases using semiconductor tin oxide sensors, 431 (2001) 181

TiO₂

In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, 445 (2001) 127

Titanium

Sensitive and very selective determination of titanium by adsorptivecatalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, 427 (2001) 55

Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287

Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Titanium dioxide (TiO2)

Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis, 432 (2001) 59

Separation and determination of Cr(III) by titanium dioxide-filled column and inductively coupled plasma mass spectrometry, 436 (2001) 59

Titration curve

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Titrimetry

Application of modified Gran functions and derivative methods to potentiometric acid titration studies of the distribution of inorganic carbon species in cultivation medium of marine microalgae, 448 (2001) 239

TI

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

TMB-d

Flow injection renewable drops technique for assay of microamounts of DNA, 432 (2001) 135

TOC

Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor, 445 (2001) 139

TOC analysis

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

TOC fractions

Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor, 445 (2001)

α-Tocopherol

Voltammetric behavior of α-tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile+ water mixed solvent systems, 441 (2001) 201

Toothpastes

Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold, 429 (2001) 111

ToPro3

Optical detection of pesticides and drugs based on chemiluminescence-fluorescence assays, 426 (2001) 227

Total dissolved nitrogen

High-temperature catalytic oxidation method for measuring total dissolved nitrogen in K₂SO₄ soil extracts, 445 (2001) 107

Total internal reflected fluorescence

Determination of chlortetracycline in body fluids with the complex cation of chlortetracycline-europium(III)-trioctylphosphine oxide by total internal reflected fluorescence at a water/tetrachloromethane interface, 442 (2001) 89

Total iron

Determination of Fe(III) and total Fe in wines by sequential injection analysis and flame atomic absorption spectrometry, 438 (2001) 227

Total normal microcystin

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Toxicity

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Wastewater toxicity screening of non-ionic surfactants by Toxalert ^R and Microtox ^R bioluminescence inhibition assays, 427 (2001) 181

Toxicity-based fractionation

Characterisation of organic pollutants in textile wastewaters and landfill leachate by using toxicity-based fractionation methods followed by liquid and gas chromatography coupled to mass spectrometric detection, 426 (2001) 253

Toxin

"Bugbead": an artificial microorganism model used as a harmless simulant for pathogenic microorganisms, 444 (2001) 13

Trace analysis

Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering, 450 (2001) 115

Trace element

Study of the repartition of metallic trace elements in humic acids colloids: potentialities of nuclear microprobe and complementary techniques, 427 (2001) 101

Applicability of a high pressure digestion technique to the analysis of sediment and soil samples by inductively coupled plasmamass spectrometry, 431 (2001) 195

Classification of cancer patients based on elemental contents of serums using bidirectional associative memory networks, 436 (2001) 281

Determination of trace metals in seawater by on-line column preconcentration inductively coupled plasma mass spectrometry, 438 (2001) 205

The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, 439 (2001) 211

On-line removal of Ca, Na and Mg from iminodiacetate resin for the determination of trace elements in seawater and fish otoliths by flow injection ICP-MS, 447 (2001) 143

Trace heavy metal

Systematic studies on adsorption of 11 trace heavy metals on thiol cotton fiber, 428 (2001) 209

Trace impurities

Inductively coupled plasma mass spectrometric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, 426 (2001) 105

Electrothermal vaporization-inductively coupled plasma-atomic emission spectrometry for the direct determination of trace amounts of impurities in slurries of silicon carbide, 433 (2001) 255

Trace level analysis

Potentiometric Cd²⁺-selective electrode with a detection limit in the low ppt range, 440 (2001) 71

Trace metals

Effect of solution composition, flow and deployment time on the measurement of trace metals by the diffusive gradient in thin films technique, 448 (2001) 93

Tracer

Direct competitive immunoassays for the coplanar polychlorinated biphenyls, 444 (2001) 131

Traditional Chinese medicine

Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography, 428 (2001) 235

Transdermal drug delivery

Diffusion of nitroglycerin from drug delivery patches through micro-fibre filters using Fourier transform infrared photoacoustic spectrometry, 427 (2001) 63

Transfection

Suitability of enhanced green fluorescent protein as a reporter component for bioassays, 426 (2001) 175

Enhanced green fluorescent protein as reporter protein for biomonitoring of cytotoxic effects in mammalian cells, 427 (2001) 191

Transflectance

Optical alcohol sensor using lipophilic Reichardt's dyes in polymer membranes, 432 (2001) 269

Transformer oil

Pulsed amperometric detection of furan compounds in transformer oil, 450 (2001) 253

Transient chaos

Determination of traces of thallium using the transient chaotic regime in the Belousov-Zhabotinskii oscillating chemical reaction, 428 (2001) 15

Transition metals

Determination of complex stabilities with nearly insoluble host molecules: cucurbit[5]uril, decamethylcucurbit[5]uril and cucurbit[6]uril as ligands for the complexation of some multicharged cations in aqueous solution, 437 (2001) 157

Transition state analogue

Chemical reaction engineering using molecularly imprinted polymeric catalysts, 435 (2001) 197

Transport of metals

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

trans-Resveratrol

Optimisation of sample preparation for the determination of *trans*resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, 428 (2001) 245

Transuranium elements

Solvent extraction of uranium, neptunium, plutonium, americium, curium and californium ions by bis(1-phenyl-3-methyl-4-acylpyrazol-5-one) derivatives, 431 (2001) 69

Traumatic injury

Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury, 428 (2001) 173

Treponema pallidum

Rapid diagnosis of Treponema pallidum in serum using latex piezoelectric immunoassay, 437 (2001) 167

2,4,6-Tri(2-pyridyl)-1,3,5-triazine-Fe(II) ion association complexes

Iron ion-selective electrodes for direct potentiometry and potentiotitrimetry in pharmaceuticals, 436 (2001) 199

Triacylglycerol

Reversed phase liquid chromatographic determination of triacylglycerol composition in sesame oils and the chemometric detection of adulteration, 429 (2001) 321

Triamterene

Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, 449 (2001) 179

Triazine herbicides

Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, 445 (2001) 29

Triazines

Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197

Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides, 436 (2001) 87

Robust cluster analysis for detecting physico-chemical typologies of freshwater from wells of the plain of Friuli (northeastern Italy), 440 (2001) 161

Triazol

Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: comparison of chemical and enzymatic sample pre-treatment, 436 (2001) 191

Triblock copolymer

Enhancement of the excluded-volume effect in protein extraction using triblock copolymer-based aqueous micellar two-phase systems, 429 (2001) 301

Trichloroethylene

Microbial sensor for trichloroethylene determination, 431 (2001) 225

2,4,6-Trichlorophenyl hydrazine (TCPH)

Gas chromatographic method for the sensitive determination of 2,5hexanedione using electron capture and mass-selective detection, 442 (2001) 231

Trichloropyridinol

Automated detection of chlorpyrifos and its metabolites by a continuous flow system-based enzyme sensor, 436 (2001) 119

Triclopyr

Antibody production and development of a polarization fluoroimmunoassay for the herbicide triclopyr, 439 (2001) 131

Trifolium pratense

Identification of isoflavone conjugates in red clover (Trifolium pratense) by liquid chromatography-mass spectrometry after two-dimensional solid-phase extraction, 450 (2001) 81

Triglycerides

A rapid and simple method for the determination of iodine values using derivative Fourier transform infrared measurements, 427 (2001) 75

Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods, 446 (2001) 39

Trilinear decomposition

Efficient way to estimate the optimum number of factors for trilinear decomposition, 444 (2001) 295

Trimethoprim

Spectrophotometric resolution of ternary mixtures of Dexamethasone, Polymyxin B and Trimethoprim in synthetic and pharmaceutical formulations, 437 (2001) 247

Trimethoxylphenylfluorone

Spectrophotometric method for determination of germanium in foods with new color reagent trimethoxylphenylfluorone, 445 (2001) 153

Trimethylsilylation

Analytical pyrolysis of carbohydrates in the presence of hexamethyldisilazane, 449 (2001) 271

Trinitrobenzene sulfonate (TNBS)

Selective determination of total normal microcystin by colorimetry, LC/UV detection and/or LC/MS, 450 (2001) 73

Triphaflavine

Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, 439 (2001) 81

Triphenylamine

High sensitivity in particle beam mass spectrometry with a nonvolatile electrolyte, 442 (2001) 97

Triplet-triplet energy transfer

Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor, 439 (2001) 81

Triton X-100

Voltammetric behavior of α-tocopherol and its determination using surfactant + ethanol + water and surfactant + acetonitrile+ water mixed solvent systems, 441 (2001) 201

Trivalent lanthanoid ions

Lanthanoid ion-selective solvent polymeric membrane electrode based on 1-phenyl-3-methyl-4-octadecanoyl-5-pyrazolone, 443 (2001) 41

Tröger's base

Enantioselective solid-phase extraction using Tröger's base molecularly imprinted polymers, 435 (2001) 115

TSM acoustic sensor

Thickness-shear mode acoustic sensor for atrazine using molecularly imprinted polymer as recognition element, 428 (2001) 143

Tubulin

Studies on the interaction of paclitaxel with tubulin by an electrochemical method, 436 (2001) 147

Turbidimetry

Turbidimetric determination of sulphate employing gravity flowbased systems, 438 (2001) 75 Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor, 445 (2001) 139

Two- and three-way data

Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares, 449 (2001) 143

Two lines intersection

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Two-dimensional (2D) wavelet compression

Two-dimensional wavelet compression of ion mobility spectra, 446 (2001) 393

Two-rate method

Two-rate method for simultaneous kinetic determination based on detecting the final product in successive reactions, 448 (2001) 257

Two-segments titration curve

Data analysis in the chemical laboratory. II. The end-point estimation in instrumental titrations by nonlinear regression, 429 (2001) 171

Two-way data

Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography, 428 (2001) 235

Tylenol

Rapid spectrophotometric method for the quantitation of acetaminophen in serum, 443 (2001) 165

Tyrosinase

Determination of phenolic compounds using recombinant tyrosinase from *Streptomyces antibioticus*, 427 (2001) 201

A dual-phase biosensing system for the determination of phenols in both aqueous and organic media, 441 (2001) 95

U

U(VI)

Pre-concentration, separation and trace determination of lanthanum(III), cerium(III), thorium(IV) and uranium(VI) on polymer supported o-vanillinsemicarbazone, 429 (2001) 237

Ultra wide measurable range

Development of highly sensitive bioluminescent enzyme immunoassay with ultra-wide measurable range for thyroid-stimulating hormone using firefly luciferase, 429 (2001) 19

Ultracentrifugation

Application of a new method of analysis of ultracentrifugation data to the aggregation of a humic acid by copper(II) ions, 437 (2001) 281 Aggregation of humic substances by metal ions measured by ultracentrifugation, 437 (2001) 291

Ultrafiltration

Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes, 442 (2001) 155

Ultra-pure water

Inductively coupled plasma mass spectrometric determination of ultra-trace elements in electronic-grade water and chemicals using dulcitol, 426 (2001) 105

Ultrasonic nebulization

Speciation analysis of antimony by high-performance liquid chromatography inductively coupled plasma mass spectrometry using ultrasonic nebulization, 429 (2001) 125

Ultrasonic slurry sampling

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Ultrasonic waves

Effects of ultrasonic irradiation on the spectrophotometric determination of nickel with dimethylglyoxime, 444 (2001) 309

Ultrasound induced acid leaching

The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry, 439 (2001) 211

Ultratrace analysis

Ultrasensitive determination of heavy metals at the sub-picogram per gram level in ultraclean Antarctic snow samples by inductively coupled plasma sector field mass spectrometry, 450 (2001) 193

Uncertainty

Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays, 440 (2001) 171

Estimation of measurement uncertainty by using regression techniques and spiked samples, 446 (2001) 133

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

Uncertainty estimation

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

Uncertainty evaluation

Optimised chromatographic method for the measurement of selected polychlorinated biphenyls in ambient air, 440 (2001) 223

Unilamellar liposomes

Spectrophotometric determination of drug partition coefficients in dimyristoyl-L-α-phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions, 428 (2001) 103

Univariate and multivariate nonlinear calibration

Multivariate versus univariate calibration for nonlinear chemiluminescence data. Application to chromium determination by luminol-hydrogen peroxide reaction, 450 (2001) 155

Univariate statistics

Estimation of figures of merit using univariate statistics for quantitative second-order multivariate curve resolution, 432 (2001) 241

Unmodified silica gel

Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, 439 (2001) 255

Unresolved GC-MS data

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Unresolved TG-MS data

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Uranium

Solvent extraction of uranium, neptunium, plutonium, americium, curium and californium ions by bis(1-phenyl-3-methyl-4-acylpyrazol-5-one) derivatives, 431 (2001) 69

Determination of actinide elements at femtogram per gram levels in environmental samples by on-line solid phase extraction and sector-field-inductively coupled plasma-mass spectrometry, 433 (2001) 245

Determination of uranium and thorium in natural waters with a high matrix concentration using solid-phase extraction inductively coupled plasma mass spectrometry, 442 (2001) 141

Uranium (VI)

Microfabricated capillary electrophoresis sensor for uranium (VI), 436 (2001) 181

Uranium determination

Application of a differential technique in laser-induced fluorimetry: simple and a precise method for the direct determination of uranium in mineralised rocks at the percentage level, 434 (2001) 201

Uranium(VI)

First derivative spectrophotometric determination of uranium(VI) and vanadium(V) in natural and saline waters and some synthetic matrices using PAR and cetylpyridinum chloride, 436 (2001)

Uranyl salophenes

Durable phosphate-selective electrodes based on uranyl salophenes, 432 (2001) 79

Urea

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77 Interference-free, amperometric measurement of urea in biological samples using an electrode coated with tri-enzyme/polydimethylsiloxane-bilayer membrane, 441 (2001) 175

Urease

Fullerene-cryptand coated piezoelectric crystal urea sensor based on urease, 437 (2001) 77

Uric seid

Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode, 449 (2001) 129

Uridine

Novel sensor based on copper-chelating affinity matrix for the specific uridine detection, 445 (2001) 191

Urine

New technique for diagnosis and monitoring of alcaptonuria: quantification of homogentisic acid in urine with mid-infrared spectrometry, 429 (2001) 287

Selenium determination in urine with atomic fluorescence detection, 436 (2001) 215

Homogeneous fluoroimmunoassay of a pyrethroid metabolite in urine, 444 (2001) 103

Simultaneous determination of L-arginine and dimethylarginines in human urine by high-performance liquid chromatography, 444 (2001) 223

Determination of tellurium in urine by hydride generation atomic absorption spectrometry with derivative signal processing, 448 (2001) 145

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration, 449 (2001) 179

Urine analysis

Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction, 433 (2001) 217

Determination of the antibacterial norfloxacin in human urine and serum samples by solid-phase spectrofluorimetry, 444 (2001) 279

Screening and confirmation analysis of anabolic agents in human urine by gas chromatography — hybrid mass spectrometry (high resolution — time of flight), 447 (2001) 75

Uronic acids

Determination of monosaccharides in cider by reversed-phase liquid chromatography, 436 (2001) 173

Used industrial oil

Continuous liquid-liquid extraction using modified subcritical water for the demetalisation of used industrial oils, 433 (2001) 47

UV absorbance spectrophotometry

Determination of Mo(VI)-Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, 442 (2001) 171

UV absorbance spectroscopy

Investigation of Mo(VI) monomer-dimer equilibrium in highly acidic solutions by UV absorbance spectroscopy using refined numerical processing, 433 (2001) 299

UV digestion

UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection, 440 (2001) 27

UV radiation

Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatographycold vapour atomic fluorescence spectrometry, 448 (2001) 135

UV spectrophotometry

Alternative method for the measurement of ammonium nitrogen in wastewater, 437 (2001) 145

UV spectroscopy

Reversed-phase high-performance liquid chromatography on-line with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins, 449 (2001) 243

UV-derivative spectrophotometry

Simultaneous determination of fosinopril and hydrochlorothiazide in tablets by derivative spectrophotometric and high-performance liquid Chromatographic methods, 427 (2001) 253

UVE-PLS

Calibration of somatic cell count in milk based on near-infrared spectroscopy, 450 (2001) 131

UV-VIS detection

Propagation of uncertainty in high-performance liquid chromatography with UV-VIS detection, 443 (2001) 205

UV-visible spectrophotometry

Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile—water mixtures, 437 (2001) 309

Interference from arsenate when determining phosphate by the malachite green spectrophotometric method, 450 (2001) 247



V(IV)

Simultaneous determination of V(IV) and Fe(II) as catalyst using "neural networks" through a single catalytic kinetic run, 432 (2001) 229

Validation

Performances of a capillary electrophoresis method for the determination of meso-inositol in a tablet formulation, 434 (2001) 67 Highly sensitive dioxin immunoassay and its application to soil and

biota samples, 444 (2001) 169

Development of an on-line size exclusion chromatographic — reversed-phase liquid chromatographic two-dimensional system for the quantitative determination of peptides with concentration prior to reversed-phase liquid chromatographic separation, 444 (2001) 193

Analytical methods for determining urinary catecholamines in healthy subjects, 449 (2001) 1

van der Waals complexes

Determination of association constants for weak solute-solute complexes by nuclear magnetic resonance spectroscopy, 427 (2001) 137

Vanadium

- Synthesis of polyacrylacylaminourea chelating fiber and properties of concentration and separation of trace metal ions from samples, 427 (2001) 287
- Liquid chromatography catalytic analysis detection for highly sensitive and automated fractional determination of vanadium(IV) and -(V), 431 (2001) 141
- Automated determination of vanadium(IV) and (V) in natural waters based on chelating resin separation and catalytic detection with Bindschedler's green leuco base, 443 (2001) 143
- Efficiency and mechanism of new poly(acryl-phenylamidrazone phenylhydrazide) chelating fiber for adsorbing trace Ga, In, Bi, V and Ti from solution, 450 (2001) 231

Vanadium(V)

- First derivative spectrophotometric determination of uranium(VI) and vanadium(V) in natural and saline waters and some synthetic matrices using PAR and cetylpyridinum chloride, 436 (2001) 223
- Quantitative determination of iron(III) and vanadium(V) by spectophotometric H-point standard addition method, 436 (2001) 325

VarDia

PCA-ContVarDia: an improvement of the PCA-VarDia technique for curve resolution in GC-MS and TG-MS analysis, 446 (2001) 353

Variability

Determining environmental standards using bootstrapping, bayesian and maximum likelihood techniques: a comparative study, 446 (2001) 429

Variable selection

Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry, 443 (2001) 107

Variable-angle fluorescence spectrometry

Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83

Vegetable oils

Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: characterisation of vegetable oils, 449 (2001) 69

Vegetables

- Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides, 436 (2001) 153
- Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry, 437 (2001) 131
- Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection, 447 (2001) 101

Venice lagoon

Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes, 434 (2001) 291

Venturi-scrubber

Venturi-scrubber pre-concentration technique for electrochemical detection of airborne lead traces, 429 (2001) 215

Vibrio fischeri

Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays, 426 (2001) 289

Viridiflorol

Spectrometric identifications of sesquiterpene alcohols from niaouli (Melaleuca quinquenervia) essential oil, 447 (2001) 113

Viscometry

New colourimetric method for determination of hydroxyl radicals during ageing of cellulose, 431 (2001) 313

Vitamin C

Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, 439 (2001) 291

Vitamin C determination

Spectrophotometric determination of vitamin C with iron(II)-4-(2pyridylazo)resorcinol complex, 427 (2001) 245

Vitamin D receptor gene

Single-stranded conformation polymorphism analysis of Vitamin D receptor gene by capillary electrophoresis with laser-induced fluorescence detection, 445 (2001) 197

VNIR spectroscopy

Possibilities of visible-near-infrared spectroscopy for the assessment of soil contamination in river floodplains, 446 (2001) 97

Volatile organic compounds

- Determination of intracellular glutathione in rat hepatocytes after treatment of environmental pollutants by capillary electrophoresis with laser-induced fluorescence detection, 433 (2001) 1
- Nematic liquid crystals as sensitive layers for surface plasmon resonance sensors, 434 (2001) 231
- Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions, 436 (2001) 31

Volatile species

On the transport of some metals into inductively coupled plasma during hydride generation process, 429 (2001) 135

Voltammetric studies

Voltammetric studies of the interaction of nogalamycin antitumor drug with DNA, 443 (2001) 63

Voltammetry

- Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, 428 (2001) 285
- Voltammetric investigations of 2-dimethylarsinyl-ethanol sulphide in NaCl and seawater, 431 (2001) 269
- Electrochemical detection for horseradish peroxidase-based enzyme immunoassay using *p*-aminophenol as substrate and its application in detection of plant virus, 434 (2001) 43
- Flow injection amperometry for the determination of iodate in iodized table salt, 438 (2001) 299
- Chemically modified electrodes based on macrocyclic compounds for determination of Vitamin C by electrocatalytic oxidation, 439 (2001) 291
- In-line TiO₂-assisted photodigestion of organic matter in aqueous solution for voltammetric flow analysis of heavy metals in water samples, 445 (2001) 127



Walk-un

Fast interpretation of complex LC/MS data using chemometrics, 446 (2001) 467

Wall-jet electrode

Amperometric detection of cytochrome c by capillary electrophoresis at a sol-gel carbon composite electrode, 450 (2001) 263

Waste water

- Toxicity assessment of organic pollution in wastewaters using a bacterial biosensor, 426 (2001) 155
- Enzyme flow immunoassay using a Protein G column for the screening of triazine herbicides in surface and waste water, 426 (2001) 197
- Wastewater toxicity screening of non-ionic surfactants by Toxalert ^R and Microtox ^R bioluminescence inhibition assays, 427 (2001) 181
- Coupling sequential injection on-line preconcentration by means of a renewable microcolumn with ion-exchange beads with detection by electrothermal atomic absorption spectrometry. Comparing the performance of eluting the loaded beads with transporting them directly into the graphite tube, as demonstrated for the determination of nickel in environmental and biological samples, 435 (2001) 331
- Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters, 438 (2001) 291

Wastewater analysis

Prospects of toxicity-directed wastewater analysis, 426 (2001) 279
Determination of trace amounts of bisphenol F, bisphenol A and their diglycidyl ethers in wastewater by gas chromatographymass spectrometry, 431 (2001) 31

Water

- Rapid detection of *Escherichia coli* in water by a culture-based amperometric method, 427 (2001) 149
- Voltammetric determination of the insecticide buprofezin in soil and water, 432 (2001) 21
- An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection, 438 (2001) 11
- Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration, 438 (2001) 235
- Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient, 445 (2001) 29
- Flow-injection solvent extraction with and without phase separation.

 Fluorimetric determination of aluminium in water, 447 (2001)

 211

Water analysis

- Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry, 427 (2001) 83
- Utilization of solid phase spectrophotometry for determination of trace amounts of beryllium in natural water, 437 (2001) 265
- Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection, 439 (2001) 299
- Rapid on-site determination of chlorobenzene in water samples using ion mobility spectrometry, 440 (2001) 63
- Determination of the pesticide morestan by means of a single-use phosphorimetric sensor, 440 (2001) 131

Water content

Lifetime-based fiber-optic water sensor using a luminescent complex in a lithium-treated NafionTM membrane, 448 (2001) 1

Water sample analysis

Gas chromatographic-mass spectrometric method for separation and detection of endocrine disruptors from environmental water samples, 428 (2001) 227

Water soil analysis

Development of a photopolymerisable membrane for calcium ion sensors. Application to soil drainage waters, 426 (2001) 3

Water soluble tetrazolium blue-5

Flow injection spectrophotometric determination of sulfated bile acids in urine with immobilized enzyme reactors using water soluble tetrazolium blue-5, 443 (2001) 257

Water treatment chemical

Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical, 439 (2001) 229

Waters

Sequential injection analysis as a tool for in situ monitoring of Fe(II), Fe(III), NO₃ and NO₂ in natural and waste waters, 438 (2001) 39

Water-soluble vitamins

Determination of thiamine, riboflavin and pyridoxine in pharmaceuticals by synchronous fluorescence spectrometry in organized media, 434 (2001) 193

Separation and determination of three water-soluble vitamins in pharmaceutical preparations and food by micellar electrokinetic chromatography with amperometric electrochemical detection, 437 (2001) 123

Wavelet transform

Curve fitting using wavelet transform for resolving simulated overlapped spectra, 443 (2001) 117

Weak acids

Micro-volume flow titration and screening the dissociation constants $(pK_{\rm a})$ of weak acids, 434 (2001) 149

Wear metals

Continuous liquid-liquid extraction using modified subcritical water for the demetalisation of used industrial oils, 433 (2001) 47

Wetting-film

Dual wetting-film multi-syringe flow injection analysis extraction. Application to the simultaneous determination of nitrophenols, 438 (2001) 103

Whole blood

Determination of heparin levels in blood with activated partial thromboplastin time by a piezoelectric quartz crystal sensor, 432 (2001) 101

Wine

A gas diffusion sequential injection system for the determination of sulphur dioxide in wines, 427 (2001) 279

Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatisation approach, 428 (2001) 7

Chronoamperometric determination of D-lactate using screenprinted enzyme electrodes, 433 (2001) 81

Determination of Fe(III) and total Fe in wines by sequential injection analysis and flame atomic absorption spectrometry, 438 (2001) 227

Wine colour

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja', 446 (2001) 159

Wine samples

Optimisation of sample preparation for the determination of *trans*resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography, 428 (2001) 245



XANES

Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295

Xenon flashlamp

Tunable ultraviolet visible photoacoustic detection. Analysis of the sensitivity and selectivity provided by a xenon flash lamp, 434 (2001) 217

X-ray absorption

Speciation of chromium in simulated soil samples using X-ray absorption spectroscopy and multivariate calibration, 442 (2001) 295

X-ray diffraction (XRD)

Roman wall paintings characterization from Cripta del Museo and Alcazaba in Mérida (Spain): chromatic, energy dispersive X-ray flurescence spectroscopic, X-ray diffraction and Fourier transform infrared spectroscopic analysis, 434 (2001) 331

X-ray fluorescence spectrometry

Determination of phosphorus in raw materials for ceramics: comparison between X-ray fluorescence spectrometry and inductively coupled plasma-atomic emission spectrometry, 432 (2001) 157

X-ray structure

Ion-pair formation of hydroquinine by chromatography, 426 (2001) 85

Xylenol orange

Sensitive and very selective determination of titanium by adsorptivecatalytic stripping voltammetry with methylthymol blue, xylenol orange and calcein, 427 (2001) 55



YBCO superconducting bulk samples

Spectrophotometric determination of oxygen stoichiometry in YBCO superconducting bulk samples, 437 (2001) 259

Youden method

Detection and correction of interferences in spectroscopy techniques, 426 (2001) 135

Z

Zinc

Square wave voltammetry data analysis by multivariate curve resolution: application to the mixed-metal system Cd-Zn-{Lys-Cys-Thr-Cys-Cys-Ala}, 428 (2001) 285

Self-modeling mixture analysis of Raman microspectrometric investigations of dust emitted by lead and zinc smelters, 446 (2001) 23

Zinc(II)-pyridylazo complex

Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquid-liquid interfaces, 447 (2001) 247

Zirconia oxygen pump

Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pump-gauge, 435 (2001) 247

Zirconia oxygen sensor

Measurements of buffer capacities of reducing gases against oxygen using a zirconia oxygen pump-gauge, 435 (2001) 247

Zirconium

Adsorption voltammetry of the mix-polynuclear complex of zirconium-calcium-alizarin red S at a carbon paste electrode, 431 (2001) 81

Zirconium titanium phosphate

Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger, 427 (2001) 21

Zirconium(IV)

Determination of Mo(VI)-Zr(IV) interaction parameters in highly acidic solutions by UV absorbance spectrophotometry, 442 (2001) 171

Zirconium-modified silica gel

Ion chromatographic separation of common mono- and divalent cations on silica gel modified with zirconium using tartaric acid-15-crown-5 as eluent, 439 (2001) 255

Zn

Organic acids as the modifier to determine Zn, Cd, Tl and Pb in soil by slurry sampling electrothermal vaporization inductivelycoupled plasma mass spectrometry, 429 (2001) 247

Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration, 433 (2001) 119

Zwitterionic quinolones

Comparison between capillary electrophoresis, liquid chromatography, potentiometric and spectrophotometric techniques for evaluation of pK_a values of zwitterionic drugs in acetonitrile—water mixtures, 437 (2001) 309

Zwitterionic surfactant

Determination of association constants of inorganic ions with C₁₂and C₁₄-alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography, 442 (2001)